

Quiet control when it matters most: Dunkermotoren introduces noise-optimized E90R LN spring-applied brake

People look to Dunkermotoren for motion – but reliable stopping is just as critical. With the redesigned **E90R LN spring-applied brake**, Dunkermotoren expands its brake portfolio with a solution that delivers quieter operation, precise control and uncompromising safety, even in the most demanding applications.

The E90R LN is based on the proven fail-safe principle: when de-energized, the brake engages automatically and securely holds the load. When power is applied, a magnetic field pulls the armature plate, releasing the braking force. This ensures maximum operational safety, particularly in the event of power failure or emergency stop scenarios.

As part of the latest design update, Dunkermotoren placed a strong focus on acoustic performance. A newly optimized driver design significantly reduces play between the driver and the armature plate. This minimizes vibration and rattling, resulting in noticeably smoother and quieter operation. The improved acoustic behavior enhances not only user comfort, but also the perceived quality of the entire drive system.

“In many modern machines, noise has become a decisive quality criterion – especially in sensitive environments such as medical technology,” says Michael Burgert, Product Manager Brakes at Dunkermotoren. “With the E90R LN, we offer a spring-applied brake that combines proven safety and durability with a clearly perceptible reduction in operating noise.”

Thanks to its compact design, the E90R LN integrates easily into existing drive concepts. Typical applications include medical devices, automation and packaging machinery, conveyor systems and all applications where smooth motion, precision and acoustic comfort are essential.

With the noise-optimized E90R LN spring-applied brake, Dunkermotoren once again demonstrates how engineering precision, fail-safe functionality and user-oriented design come together to create reliable, high-quality drive solutions.

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