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Powerful, compact and sustainable

RINGSPANN presents a new series with electromagnetic heavy-duty brakes

RINGSPANN is expanding its brake portfolio with another series of electromagnetic disc brakes. The company is thus not only continuing to expand its one-stop shop for components for industrial drive technology, but is also responding to the growing international demand for electrically powered heavy-duty brakes. The new e-brakes are available now, provide clamping forces of up to 97 kN and can be easily integrated into existing system environments thanks to their compact design.

Bad Homburg, June 2026. – Electromagnetically ventilated disc brakes for industrial applications have always made up a large part of RINGSPANN's portfolio. Now the company has added another series to this area of its one-stop shop, which is designed especially for heavy-duty operation. The five variants of the new series bear the prefix DA in the product name, cover extreme braking and clamping force requirements and are predestined for use in steel, port and power plant cranes, or belt conveyor, bulk material and shredding plants – to name just a few examples. "With the addition of these modern brake callipers to our range, we are responding to the development that more and more plant manufacturers and operators are replacing their brake systems, which were previously primarily pneumatically or hydraulically operated, with electromagnetic alternatives," says Maximilian Mappes, brake designer at RINGSPANN. There are very obvious reasons for this continuing international trend towards e-brakes in the high-load sector. Above all, the simple design and functionality of the electromagnetic brakes should be mentioned here, as well as their uncomplicated integration into existing system environments. Both factors reduce installation and maintenance costs and enable easy substitution of pneumatic and hydraulic brake systems.

Fewer parts and less effort

The new DA brakes in the RINGSPANN range provide all the advantages of modern electromagnetic disc brakes to designers, as well as to plant operators and their service teams. They form a functional and compact unit which, apart from the applied current, requires no external operating medium, no additional units and no hose connections or lines that are susceptible to leakage. This not only simplifies the designer's work, but also reduces both the assembly effort during the initial installation as well as the steps involved in maintenance and repair – which also saves costs. "Since neither compressed air nor hydraulic oil is involved in the operation of the electromagnetic brakes, there is

no risk of leakage. This is sustainable and resource-saving, as it permanently reduces the use of cleaning chemicals and protects the groundwater from contamination," emphasizes Maximilian Mappes.

Wide range of forces and options

In terms of performance, the DA series rounds off the RINGSPANN range of electromagnetic disc brakes at the top end. It is also a perfect complement to the brakes of the EV/EH series and to the MV series introduced last year. While the EV/EH brakes (clamping forces from 3.2 to 20 kN) are primarily at home in the field of industrial automation, MV brakes (clamping forces from 3.8 to 25 kN) are also suitable for use under difficult conditions. Here, they can score points as a space-saving solution, especially due to their exceptionally compact design. With five models in ten versions, the new DA series provides forces from 880 N to 97 kN and offers other significant advantages. Thanks to automatic wear adjustment, a wide range of options – for example in terms of sensor technology – and the use of larger brake pads, it can also be used in safety-critical applications where dynamic braking is required, for example.

In all model series – including the new DA series – customers can also choose between different designs and different supply voltages. "Depending on the application and requirement profile, designers or plant manufacturers can choose the optimal variant for their objectives from our large selection of electromagnetic industrial brakes. We are also able to configure or develop customer-specific special solutions at any time," says Maximilian Mappes. *ms*

573 words with 4,586 characters (incl. spaces) *Author: Michael Stöcker, freelance specialist journalist, Darmstadt*

Note for editorial staff: **Text and images available at www.pr-box.de!**

Captions (4 pictures)

Figure 1: The new electromagnetic disc brakes of the RINGSPANN DA series are designed for use in steel, port and power plant cranes, or large conveying, bulk material and crushing plants.

Figure 2: Maximilian Mappes: "With the addition of DA disc brakes to our portfolio, we are responding to the trend that more and more plant manufacturers and operators are replacing their pneumatic or hydraulic brake systems with electromagnetic alternatives."

Figure 3: In terms of performance, the new DA series rounds off the RINGSPANN range of electromagnetic disc brakes. Five models cover clamping forces from 880 N to 97 kN.

Figure 4: The new electromagnetic disc brakes of the RINGSPANN DA series are compact units that, apart from the applied current, do not require an external operating medium, or additional units and hose connections that are susceptible to leakage.

All images: Ringspann

((Infobox))

Complete solutions and smart solutions

RINGSPANN's one-stop-shop range not only offers a wide range of industrial brakes in almost all currently relevant designs, but also a wide range of accessories for configuring complete solutions. These include control systems, a brake disc selection, friction block wear monitoring, as well as universal transformers, hydraulic power units, pneumatic boxes, pull/push cables and the associated hand levers. In addition, all other product groups of the company are also open to designers and buyers, so that the combination with freewheels, overload and shaft couplings, shaft-hub connections and remote controls open up a great deal of freedom for the configuration of complete drive technology solutions.

83 words with 792 characters (incl. spaces)

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