

Clean drainage and reliable flushing

RINGSPANN RCS develops customized cable controls for sanitary applications

The global market for standard Bowden cables is vast and difficult to navigate. However, manufacturers like RINGSPANN RCS - offering a high level of vertical integration, in-house engineering capabilities, and a knowledge-driven service portfolio - are rare. Especially when application-specific cable solutions must be developed according to customer requirements, the added value of working with such a partner becomes evident.

Oberursel, May 2026 – As purely mechanical remote actuation systems, RINGSPANN RCS cable solutions are used across a wide range of industries worldwide. These are often bi-directional push-pull cables that ensure convenient, low-loss, and energy-independent force transmission in sometimes sensitive safety, drive, and control applications. Equally demanding are device-related applications where the specific design of the cable systems is influenced by both fluid engineering requirements and unconventional construction and design concepts. This is illustrated by several special solutions recently developed by RINGSPANN RCS for various OEMs in the sanitary sector. These primarily involve uni- or mono-directional push and pull cables which - since they are operated directly by end users - must demonstrate high everyday usability, robustness, and operational reliability. “Additionally, our customers consistently specify that these cable systems must be easy to install and require minimal maintenance,” explains Robert Lacko, Head of Sales at RINGSPANN RCS.

Quality and creativity

RINGSPANN RCS sanitary cable systems operate according to the proven Bowden cable principle and are primarily used as control and adjustment elements in flushing systems for toilets and washbasins, as well as in bathtub drain assemblies. Their quality characteristics include intelligent design, carefully selected materials, high-precision manufacturing, and the creative adaptation to customer- and application-specific requirements. While RINGSPANN RCS offers a wide range of fastening and connection options within its standard portfolio, sanitary push and pull cables are typically equipped with customized end fittings to ensure seamless integration into drainage and flushing system designs. “In many cases, we develop and manufacture specialized die-cast or injection-molded components that meet specific requirements in terms of flexibility, as well as ease of installation and removal,” says Robert Lacko. In addition to fundamental parameters such as

bending radius, stroke length, and applied force, many other components of the cable systems can be adapted to the operating environment or the design framework of drainage and flushing systems - such as threaded hose fittings, seals, or connection types. “Thanks to our in-house development expertise, production capabilities, and CNC-based testing technology, we are able to implement virtually any customer requirement,” Lacko emphasizes.

Close to the customer

RINGSPANN RCS combines its engineering and manufacturing capabilities with strong customer focus: above-average delivery reliability, high-quality consulting and service, and a strong local presence across all EU countries. “This means not only reliable delivery performance, but also that we stay very close to our customers,” says Robert Lacko. It is also worth mentioning that RINGSPANN RCS operates a large warehouse in Germany, enabling the company to respond flexibly to fluctuating customer demand.

489 words with 3,546 characters (including spaces)

Note to editors: Text and images are available at www.pr-box.de/en/!

Image captions (5 pictures)

Image 1: The push and pull cables developed by RINGSPANN RCS for sanitary applications offer high everyday usability, robustness, and operational reliability. They are also easy to install and require minimal maintenance.

Image 2: Robert Lacko: “In most cases, we develop and manufacture specialized die-cast or injection-molded components for sanitary cable systems that meet specific requirements in terms of flexibility as well as ease of installation and removal.”

Image 3: RINGSPANN RCS sanitary cable systems are used, among other applications, as control and adjustment elements in toilet and washbasin flushing systems, as well as in bathtub drainage assemblies.

Image 4: Even within its standard portfolio, RINGSPANN RCS offers numerous fastening options for cable systems. However, sanitary push and pull cables are typically equipped with customized end fittings to ensure perfect integration into drainage and flushing system designs.

Image 5: With its in-house CNC testing facility, RINGSPANN RCS is a leading partner for the development of particularly innovative or complex remote actuation systems.

All images: Ringspann RCS

(Info Box)

Technological edge through advanced testing

RINGSPANN RCS operates a CNC-based test bench that offers extensive capabilities for further development and quality assurance of its cable systems. This proprietary system enables not only standard testing procedures, but also specialized force testing, friction measurements, cycle testing, idle stroke measurements, and evaluations of elastic elongation, among others. In addition to analyzing individual kinematic and dynamic performance parameters, long-term testing and complex multi-factor analyses can also be conducted, where various requirements are tested in alternating sequences. Not least due to its advanced testing capabilities, RINGSPANN RCS is a preferred partner for the development of highly specialized or entirely new remote actuation solutions.

108 words with 810 characters (including spaces)

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