

**Torsional LK series couplings for mobile hydraulics applications:  
Improved availability in European market**

*Werdohl, Germany, August 2020.* Power transmission specialist Lovejoy LLC has further expanded its European presence and now also produces torsional couplings of the LK series in its own subsidiary company R+L Hydraulics GmbH, headquartered in Werdohl, Germany.

The LK torsional couplings are ideal for applications in mobile hydraulics. They are used in applications with diesel, gasoline or natural gas engines which drive one or more flange-mounted hydraulic pumps. The LK torsional coupling is a stable, two-part coupling consisting of an element or flywheel adapter and a hub for connection to a shaft. The couplings are torsionally very stiff, enabling drives of hydraulic pumps and similar equipment with low mass or inertia to operate below critical speeds. Typical applications include excavators, vibratory rollers, loaders, cranes, passenger elevators, forklifts and tractors.

LK torsional couplings are usable with all engine-driven hydrostatic applications in the low to mid power range. They are maintenance-free and are characterized by low weight, high torsional stiffness and long service life. Their performance spectrum includes all ranges from 125 to 6,000 Nm. The shape and length of the hubs are modifiable, different flange positions are possible. Various series are available for standardized SAE flywheels and non-standardized flywheels. R+L Hydraulics offers application support and on-site assessment for the respective implementation options.

"The continuous increase of the development and manufacturing expertise at our German location enables us to offer our customers on-site technical service and flexible, reliable delivery of our coupling types to Europe-based manufacturers in construction, agriculture and industrial equipment," says Timo Weber, General Manager of R+L Hydraulics. "Besides the torsional couplings, we are constantly driving the development of further solutions for mining, marine, MRO and renewables applications. Through a more extensive partnership with our globally operating sister companies such as Torsion Control Products, the expert in full metal spring couplings, we in the Timken group of companies offer manufacturers of complex systems,

machinery and vehicles a broad range of many different product solutions, each optimized and customized to fit the individual needs of various applications."

In addition to torsional couplings, R+L Hydraulics develops, engineers and produces a broad range of components for fluid and power transmission technologies, including industrial couplings and hydraulic accessories such as test couplings, jaw couplings, bell housings and cooler bell housings, damping elements, aluminium tanks, heat exchangers and coolers. The products are used in a wide range of applications in machine building, shipbuilding and automotive, energy and environmental technology, in the steel and offshore industries and plant engineering.

**Summary LK series torsional couplings:**

- Low weight
- High torsional stiffness
- Long service life
- Maintenance-free
- Series for SAE flywheels

**Link to product brochure (English/German):**

[https://www.rl-hydraulics.com/fileadmin/user\\_upload/pdf-dokumente/Produktkataloge/DE\\_EN/R\\_L\\_Kupplungen\\_05042017.pdf](https://www.rl-hydraulics.com/fileadmin/user_upload/pdf-dokumente/Produktkataloge/DE_EN/R_L_Kupplungen_05042017.pdf)

**Images:**

Picture 1: Torsional coupling of the LK series with SAE flywheel adapter

*(Source: R+L Hydraulics)*

Picture 2: A variety of torsional couplings of the LK series in different sizes and designs

*(Source: R+L Hydraulics)*

Picture 3: A typical application example for LK torsional couplings: excavator

*(Source: Shutterstock/Zhao Jiankang)*

**About R+L Hydraulics:**

R+L Hydraulics GmbH, headquartered in Werdohl, Germany, engineers and produces a wide range of Raja hydraulic accessories and Lovejoy couplings. In July 2016, the hydraulics and power transmission specialist joined the listed US-based Timken Company (NYSE: TKR; [www.timken.com](http://www.timken.com)). Timken engineers, manufactures and markets bearings, gear drives, belts and industrial chains. In addition to R+L Hydraulics, the Timken product and services portfolio includes the brand names of Lovejoy, Groeneveld, Rollon, Cone Drive, ABC Bearings, EDT, PT Tech, Torsion Control Products, Carlisle and Diamond Chain.

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