Press release

Elastic couplings for demanding applications:
Torsional couplings of the LF series from R+L Hydraulics

Werdohl, Germany, June 2019. R+L Hydraulics GmbH presents the LF torsional coupling series, suitable for a wide range of demanding applications in agricultural and construction machinery, fans, compressors, high-pressure pumps, wind turbines and marine industries. The torsional couplings are extremely versatile. They are characterized by high performance in terms of shock loads, vibrations and misalignments. The couplings have low inertia and are light weight, easy to mount and maintenance-free.

The basic component of the LF torsional coupling is an extremely versatile rubber element. To exploit the full range of its performance, the element is available in various materials to cover different types of resistance and torsional stiffness. Oil, heat and corrosion-resistant materials such as Hytrel and Zytel are also available.

Because of its simple design, the LF torsional coupling can be produced in a number of varieties and installation variants to meet the requirements of diverse applications. At the same time, installation is simple and logical: the element is bolted to a cylindrical hub with radial screws, and then attached to a flange hub with axial screws. This design is highly effective and gives the LF torsional coupling outstanding performance capabilities in compensating misalignment and absorbing vibrations and shock loads.

The couplings do not need lubrication and are maintenance-free. The air flow design cools the components during operation. Thanks to their short profile, the LF couplings are ideal for tight spaces in machine housings or for use from shaft to shaft. They do not require any special connectors, tools or time-consuming assembly procedures.

LF torsional couplings are available in a number of variants with bore dimensions from 8 mm to 130 mm. R+L Hydraulics offers application support and on-site assessment for all possible fields of use.

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.

Image:

Image 1: Torsional coupling of the LF series from R+L Hydraulics

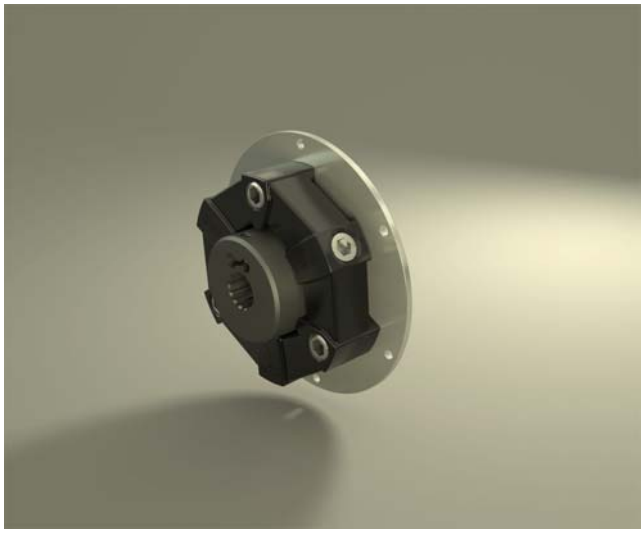

Image 2: Assorted LF elements and variants

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). 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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