

Press Release

Subject:	Make 1 out of 2! – Rubber Roller Coupling GUR 45-8 from REICH-KUPPLUNGEN
Date:	February 2019

Topic: Developed as a customised solution for special lifting vehicles in line with the D2C mission: The rubber roller coupling GUR 45-8

REICH-KUPPLUNGEN is going to showcase the rubber roller coupling GUR 45-8 for highly demanding applications at the bauma trade fair from 8 – 14 April 2019 in Munich.

As part of a re-design project, a reputed crane manufacturer was faced with the challenge to eliminate a second engine, thus reducing the costs and the total weight of the vehicle. This machine had originally been equipped with a drive engine and a crane engine for lifting. As a consequence, the second engine used for powering the superstructure was omitted. The necessary power is now taken from the power take-off of the distributor gear. The required driving torque is transmitted via gear shafts to the hydraulic unit used for lifting the superstructure. But then severe vibration was encountered in operation. An innovative coupling solution was considered to remedy this issue but the original mounting space had not been laid out for a coupling. Those were the circumstances under which REICH-KUPPLUNGEN engineers were requested to devise a customer-specific solution that also had to offer the necessary torsionally stiffness. Quite a challenge, but not impossible to accomplish.

All that was achieved with the coupling type GUR 45-8 which is now in operation throughout the world. The low stiffness in the lower load range ensures that torsional vibrations are kept below the critical levels at no-load speed. Thanks to its progressive behaviour, the stiffness of the coupling rises as torque transmission increases. This is why the GUR 45-8 is particularly suited for applications where loads tend to increase with increasing rotational speeds.

The GUR 45-8 is designed for versatile use in multiple applications. A broad range of special rubber qualities ensures that this coupling can also be used at very high ambient temperatures. The GUR 45-8 is a robust rubber roller coupling featuring a fail-safe device. The individual rubber elements can be replaced in no time, with no need for special tools. Just pull the plugged coupling apart and insert the rollers radially from the outside into specifically shaped recesses. The GUR coupling series is available for different power ranges. Needless to say that customisation to individual requirements, in line with the D2C "Designed to Customer" mission, is a matter of course for REICH-KUPPLUNGEN.

The GUR 45-8 and additional coupling solutions will be on show in hall A4, stand 514, at the bauma trade fair from 8 – 14 April 2019 in Munich.



Image material: REICH-KUPPLUNGEN

About Reich-Kupplungen

The international company Reich-Kupplungen with its headquarters in Bochum is a highly specialised manufacturer of drive components. It focuses on the development and production of torsionally flexible or torsionally rigid coupling series with great production depth. This is done in-house, ensuring that a high level of competence in the design and production of couplings for the respective drive is available.

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