

Press Release

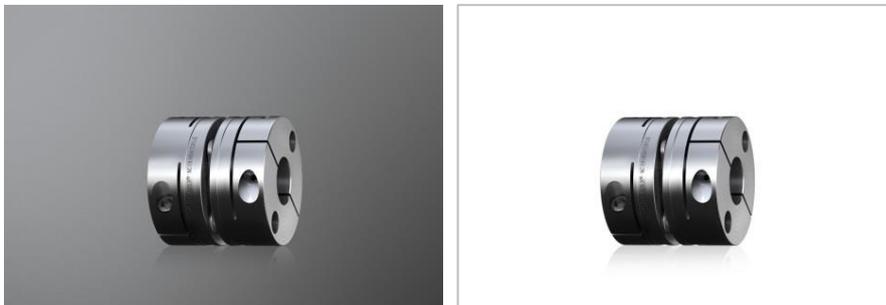
KTR developing a new servo coupling

Rheine, 5 September 2017 – **KTR developed a steel lamina coupling for servo drives in the higher power range. The backlash-free and torsionally rigid RADEX®-NC High Torque covers speeds up to 27,500 rpm while transmitting torques up to 2,000 Nm. Main application ranges are machine tools as well as measuring and test bench technology. KTR will introduce the coupling on the occasion of this year's EMO in Hanover in hall 6, booth L48 for the first time.**

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The new RADEX®-NC High Torque for servo drives in the high power range // The use of the photos is free of charge for editorial purposes (© KTR Systems GmbH)

Compared to the standard series of the same name, the connections between laminas and hubs were made non-positively and with positive locking with the new RADEX®-NC High Torque which allows for the use in servo drives in the higher power range. Its torsionally rigid and flexible laminas are made of stainless steel while the hubs are made of high-strength aluminium. The coupling is light-weight, with compact dimensions and has a low mass moment of inertia. It is available as a single-cardanic and double-cardanic type.

KTR provides two backlash-free versions for the shaft-hub-connection: On the one hand a version with a clamping ring hub for the non-positive connection. This hub has a torsionally symmetric structure and is suitable for high torques. It is mounted as a block which facilitates the installation of the coupling. On the other hand a version with a clamping hub, optionally available with a positive-locking or non-positive connection.

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The new RADEX[®]-NC High Torque is available in seven sizes covering torques from 35 to 2,000 Nm and speeds from 6,500 to 27,500 rpm. (As an example, the average size 36 has an outside diameter of 84 mm transmitting torques up to 340 Nm with a maximum speed of 14,000 rpm.)

The servo coupling is maintenance-free and can be used with temperatures up to + 200° C and under aggressive ambient temperatures. Application ranges are machine tools as well as measuring and test bench technology, but also automation technology and servo gears.

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