PRESS RELEASE

CENTA at bauma 2010, hall A4, stand 219
Industry-specific drive solutions by CENTA

For the past 40 years, CENTA’s success has been inseparably linked to the construction machinery industry. At bauma in Munich, the company will present its innovative drive solutions of the last four decades.

This year, CENTA will be looking back on 40 years of company history. Already the foundation for its success was laid in the early seventies with designs like the CENTAFLEX-A and the CENTAMAX. Thanks to numerous innovations and the constant adaptation of their couplings to growing technical demands and requirements, CENTA today is in a position to offer their customers a broad portfolio of industry-specific drive solutions.

CENTAFLEX-A
CENTAFLEX-A, torsionally flexible and vibration-damping, is a coupling with a rated torque of up to 12.5 kNm, which can be used in almost any type of diesel or gas engine. Its robust and maintenance-free design make this coupling the ideal connecting element for the flywheel side as well as for front power take-off at the crankshaft. Typical applications include conveyer technique, hydraulic excavators, vibrating rollers, etc.

CENTAFLEX-KE
As recent as last year, this successful series was complemented by another design for non-standard engine flywheels. These couplings cover ranges up to 650 Nm and excel by high torsional stiffness and, at the same time, flexibility in radial direction. The CENTAFLEX-KE is particularly suited for optimizing diesel-driven hydrostatic drives with flange-mounted pumps, especially for lower and medium torque ranges.

CENTAFLEX-R
The construction machinery industry is now showing a significant trend toward drive solutions that reduce consumption, emission and noise. CENTA accommodates this trend with its robust CENTAFLEX-R for torque ranges of 0.25 to 15 kNm. The highly flexible roller coupling was designed for ultimate heavy-duty applications and is suitable for use in hydrostatic as well as in hybrid drives.
The CENTAFLEX-R has a progressive stiffness characteristic – ideal for drive solutions where the load is increased with growing performance.

**CENTAMAX**

A steady seller in the construction machinery industry is the highly flexible CENTAMAX coupling with a performance range covering 0.1 to 45 kNm. It was designed with a special view to drives with torsional vibrations. Since it provides a flexible connection between engine and gear, critical resonances are shifted to ranges below the operating speed. Intensive tests performed in our in-house test field have succeeded in doubling the allowable loss compared to similar couplings.

Find these and many more industry-specific drive solutions at CENTA during the bauma from April 19-25, 2010, in hall A4, stand 219.

Since 1970, the international CENTA group has been engaged in solving challenging drive train and torsional vibration challenges. Whether designing simple applications or complex systems: The 20 types of flexible couplings, drive shafts and supplementary products with their numerous variations provide optimal results without compromise. Due to its various innovations, the company today ranks among the world’s leading manufacturers of flexible couplings and drive shafts for industry and marine applications as well as for power generation. Further information can be obtained at www.centa.info

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