

Press Release

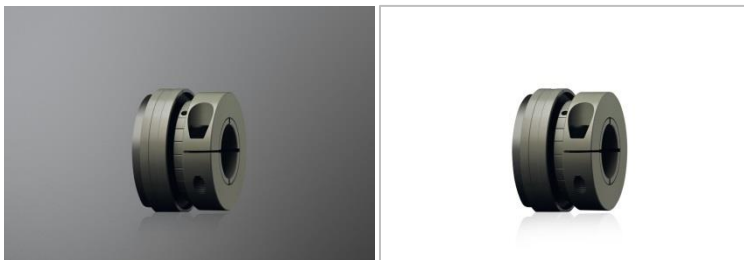
Lightweight torque limiters in new sizes

Rheine, April 12, 2017 – **KTR has extended the line of lightweight torque limiters by two new sizes. Overload couplings are suitable for shaft diameters up to 15 mm and up to 60 mm with a maximum release torque of 14 Nm and 550 Nm. KTR is exhibiting the backlash-free overload coupling at Hanover Fair in hall 25, booth B26.**

PR contact

Stefan Holtkoetter
T +49 5971 798-292
E s.holtkoetter@ktr.com

www.ktr.com/Press



Using this image for editorial purposes is free of charge (© KTR Systems GmbH)

The backlash-free SYNTEX[®]-NC overload coupling offers a hybrid design and is manufactured in conjunction with a wear-resistant surface coating. The design is based on a backlash-free, positive locking ball-latching principle separating the input and output in milliseconds when exceeding the present torque.

The torque limiter is available in two functional systems: The ratchet design the coupling re-engages automatically after removing the overload after 15°, whereas the synchronous design re-engages after 360°. In both cases the coupling is automatically ready for operation again.

Now KTR has extended the line to include sizes 15 and 60: The new overload couplings are suitable for shaft diameters up to 15 mm and up to 60 mm with a maximum release torque of 14 Nm and 550 Nm – respectively weighing 120 grams and 3 kg with an outside diameter of 42 mm and 116 mm.

With this expansion the SYNTEX[®]-NC is available in five sizes for shaft diameters from 8-60 mm and release torques from 2-550 Nm. The backlash-free overload coupling was developed for high-speed, backlash-free drives.

1/2



Press Release

Main applications include machine tools and packaging machines, control and positioning engineering as well as special machine construction.

The standard version will be used in direct drives. However, an integrated deep groove ball bearing offers the possibility of a direct assembly of pulleys, special flanges or further components.

The SYNTEX[®]-NC is additionally available in connection with the backlash-free and flexible ROTEX[®]-GS jaw-type coupling and the backlash-free and torsionally stiff TOOLFLEX[®] metal bellow-type coupling. Furthermore, it is also possible to combine the torque limiter with KTR's DATAFLEX[®] measuring shaft.

Koh-17-01

PR contact

Stefan Holtkoetter

T +49 5971 798-292

E s.holtkoetter@ktr.com

www.ktr.com/Press