

New elastomer system for big ROTEX® couplings:

8/2009

Individual segments instead of a spider

The torsionally flexible ROTEX® jaw coupling has proven its worth on numerous applications for more than forty years. Now KTR has an innovation for the large ROTEX® coupling: The patented standard ROTEX® DZ does not have the well-known star-shaped elastomer spider, but the elastomer spider is rather divided up into individual segments with two teeth each. This new design is the new standard for the series ROTEX® 100 to ROTEX® 180. The well-known one-parted spider is only supplied on special request in these sizes. The ROTEX® DZ spider segments are offered as flexibly damping components in the well-known kinds of standard Shore hardness 92 Sh-A and 95 Sh-A.



The decisive benefit of this “decomposed” design of the spider is that subject to the reduced size of the elastomers alternative production processes may be used. The result is that the price of the new ROTEX® DZ could be reduced.

The new spider segment system is particularly beneficial in combination with ROTEX® A-H shell hubs. Driving and driven side do not have to be moved any longer, but by moving a ROTEX® A-H hub only the segments can be replaced with few efforts only.

