

Improved safety in explosive atmospheres

KTR has expanded its ROTEX® coupling line with the new ROTEX® non-sparking for maintenance-free use in potentially explosive environments. This failsafe innovation assures operation in cases of spider element wear while reliably preventing sparking.

The jaw geometry consists of a conductive high-tenacity plastic that is injected onto the hub body which continues to be made of steel or other metals such as aluminium. The newly developed synthetic material prevents any static charging and is also designed to be so hardwearing that even in cases of elastomer wear out, torque will still be transmitted without any danger of sparking. As a result, maintenance work can be postponed to a convenient time frame.

The failsafe and maintenance-free ROTEX® non-sparking is certified under EU directive 94/9/EC (ATEX 95) and thus deemed suitable for the use in explosive atmospheres. The shaft coupling has a compact design and can be axially plugged in. It offers good dynamic

properties, excellent vibration damping and a low moment of inertia.

The ROTEX® non-sparking ensures dampened torsional vibration during power transmission and absorbs shocks



The new explosion-proof ROTEX® non-sparking coupling displaying injected jaw geometry on one side.

generated from imbalanced machinery. The new coupling is also available in various double-cardanic finishes for large shaft misalignments that maintain low restoring forces and ensure sound dynamic properties.



With the double-cardanic design, the centrepiece comes with injected jaw geometry on both sides.

The ROTEX® Non-Sparking is exclusively distributed in Australia and New Zealand by Deanquip. For further information or technical support, please contact +61 3 9729 0201 or send an email to sales@deanquip.com.



More safety for hazardous locations

Thanks to new material and production technologies the fail-safe ROTEX® Non Sparking can continue to operate if the spider has worn off with no danger of sparking, ensuring a carefree operation in hazardous locations.

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Phone: +61 3 9729 0201
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