



for the sake of it.

The ARCUSAFLEX range of drive couplings is a good case in point explains David Proud: “ARCUSAFLEX has been at the heart of the REICH portfolio for decades and is still in demand across a wide range of sectors, and for arduous applications, due to its impressive track record for performance and reliability. The coupling element can be subjected to high torsional loads and compensate for misalignment. During operation the coupling is backlash free. In addition to its main task of transferring the torque, the toothed profile design provides a failsafe mechanism in the event of an overload situation, protecting the drive train elements either side of the coupling from damage. These key characteristics and attributes are the same as they were on day one when the product was first introduced and have stood the test of time extremely well.”



Another key factor in the success of this coupling design is the selection of different rubber compounds which are manufactured in-house by REICH. These can be chosen to provide the correct torsional characteristics for the diversity of applications which may be encountered in the field and meet ambient operating temperatures which can be from -70°C up to +130°C in extreme cases.

Each of the more than 1 million couplings installed in the field has been designed using a range of torsional vibration calculations to ensure compliance with individual customer application criteria such as loads, frequencies, temperatures and other environmental or operating considerations. ARCUSAFLEX couplings have to date clocked up over 20 billion hours of run time in the field - a significant achievement in itself and one which reinforces the product’s reputation for reliability.

REICH’s philosophy of manufacturing both the elastomers and machined components in-house also ensures ongoing and ready availability of spare parts.

David Proud continues: “The ARCUSAFLEX coupling range also confirms another often used quote – “if it looks right it is right” and this definitely applies to this product. The failsafe toothed profile looks well proportioned already at first glance, and even without closer inspection, it is clear that the relatively large rubber element will be capable of absorbing significant torsional loads and misalignment. In short, it just looks right.”

REICH can rightly be proud of the achievements of this long-standing coupling of their product range, and even although some have tried and failed to replicate it in one way or another, the fact that it is still

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very much in demand today, speaks for itself. The ARCUSAFLEX proves that in certain cases the established and field proven product is still very much today's solution.

Even with such an impressive heritage the ARCUSAFLEX coupling range, in keeping with all REICH products, is subject to ongoing product development to ensure that it always stays one step ahead of changing demands from different industry sectors. Examples of this include the introduction of the new "Y" elastomer variant to increase product lifecycle within hot environments, plus approvals and certifications for ATEX – use within explosive environments – and several others specific to the marine and rail sectors.

These enhancements have all been achieved using the original ARCUSAFLEX coupling design concept. In addition to the comprehensive standard range of ARCUSAFLEX couplings, REICH also offers a D2C – Design to Customer solution that tailors the product design to the individual needs of the customers.

SIMPLY **POWERFUL.**

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