

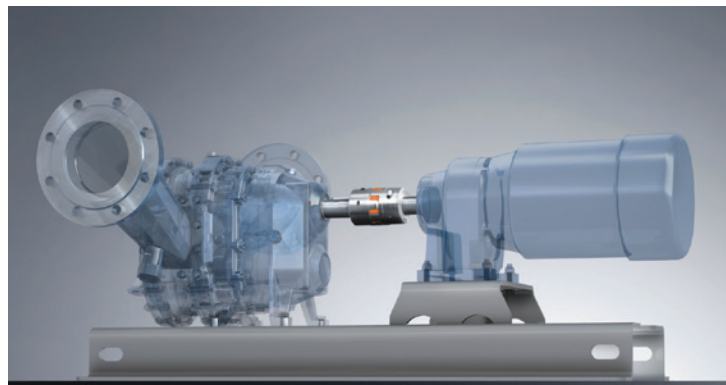
# Better components make better drives

Some things are getting smaller. Consumer goods continue to shrink year on year, model upon model, as manufacturers strive to extract more out of less. The demand for increased capabilities has continued and this has resulted in design spaces becoming more cramped.

Regarding fluid dynamics, increased pump and motor dimensions, combined with smaller facility sizes, often result in situations where assembly space for pump and motor is greatly restricted. Critically, situations that involve manoeuvring large masses of equipment for maintenance purposes result in expensive downtime.

KTR has considered these issues when developing the ROTEX®S-H (split hub) flexible shaft coupling.

With this design, the hubs are mechanically separated by 'cracking' on purpose. An uneven surface with a positive fit is the result, ensuring an exact position of the two halves during assembly. The contoured, uneven cracked surfaces ensure an ideal centering of the hub halves.



**The ROTEX®S-H with split hubs in a rotary piston pump.**

This guarantees that the hub or the connection of the two hub halves, respectively, is not weakened by the separation by cracking. The 'cracked' hub is screwed in place in block assembly and makes sure that during operation there is no negative impact on the strength of the coupling.

The fact that the hubs can be assembled and disassembled radially makes it highly suitable for mounting in narrow mounting spaces. The ROTEX®S-H has the advantage that its hubs can be installed radially without the need to move or disassemble system components – pump and motor stay put!

Other benefits include:

- Easy assembly/disassembly by means of four-off screws
- Centering of both halves of the hubs through the fracture surface
- Specifically suitable for tight mounting spaces.
- Finish bore according to ISO tolerance H7, feather key according to DIN 6885 sheet 1 (JS9)
- The product has all the benefits of a conventional ROTEX® with KTR's T-Pur® elements.

Deanquip Powertrans is the exclusive agents for KTR in Australia, and has the ROTEX®S-H available ex stock. Deanquip engineers can assist with any design or retrofit requirements.

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## Service friendly

ROTEX® SPLIT hubs are easy to assemble and thanks to the T-PUR® spider elements it ensures a safe torque transmission.

KTR and DEANQUIP stand for innovative Drive Technology.