

Precision Bearing Assemblies

BLOOD CENTRIFUGES

PROBLEM

A major laboratory equipment manufacturer needed an economical bearing solution to replace existing yoke-type roller bearings on their blood centrifuges, where tubes of collected blood are loaded into a swing bucket that spins for 10 minutes at 3500 RPM. The rapid spinning separates the blood into plasma, white cells with platelets, and red cells for further testing. Four bearings are positioned around the base of the swing bucket to allow smooth rotation.

SOLUTION

Kilian™ engineers developed a custom cam follower with a double row ball bearing to meet the OEM requirements. The new cost-effective bearing assembly features an attached mounting stud for easy installation and the bearings are completely sealed to prevent any ingress or egress contamination.



HIGHLIGHTS

- Economical solution
- Integral mounting stud
- Low noise operation
- Seal prevents ingress and egress contamination

Regal Rexnord

Contact us: 1-315-432-0700

kilianbearings.com | regalrexnord.com

The proper selection and application of products and components, including assuring that the product is safe for its intended use, are the responsibility of the customer. To view our Application Considerations, please visit <https://www.regalrexnord.com/Application-Considerations>. To view our Standard Terms and Conditions of Sale, please visit <https://www.regalrexnord.com/Terms-and-Conditions-of-Sale>.

"Regal Rexnord" is not indicative of legal entity. Refer to product purchase documentation for the applicable legal entity. Regal Rexnord and Kilian are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

© 2018, 2025 Regal Rexnord Corporation, All Rights Reserved.
MCCSS-P-7851-KM-EN-US 10/25



KILIAN™