

Doing it right; the first time;
on time; every time.



The Value of Solution Selling

"Torque Transmission invested the time and effort to identify the right materials and create custom tooling to solve this problem, and at a great cost saving."



Torque Transmission, Fairport Harbor, OH – October 18, 2006

The Problem

Kloehn Ltd., a manufacturer of Analytical, Clinical, and Industrial Diagnostic Instrumentation, was experiencing product failures in a pump sub-assembly due to bearing corrosion. The thrust bearing at fault was very small (9mm OD / 4mm ID), difficult to source, and expensive.

An offshore supplier was providing a bearing that was dimensionally correct but used a coated, carbon steel washer. The coating was susceptible to wear, resulting in failure due to corrosion. In a product for the medical field this was unacceptable for the end-user and our customer.

The cost of the existing bearing was one-third of the final product cost. Couple this with the inherent difficulties of offshore suppliers and product failures. A change was imperative.

The Solution

Torque Transmission non-standard OD/ID stainless steel metric thrust bearing.

- Nylon ball retainer, self-lubricated.
- 410 stainless steel balls.
- 440 stainless steel washers RC 58-65.
- Non-corrosive with many chemicals and solvents.

The Value to the Customer

- Upgraded materials while achieving significant cost reductions of 75%.
- A bearing made to Kloehn's exacting specifications.
- A more profitable, dependable product.
- Ease of ordering from a domestic manufacturer.
- Faster deliveries resulting in better inventory control.

For more information call Gary Rusnak at 1-800-544-6642 or e-mail her at sales@torquetrans.com, or visit us at www.TorqueTrans.com.

