



Product

Custom Bearing Assembly

Application

Garment Racks for Trucks

Highlights

- Custom, double-row bearing assembly
- Integrated set screw to ensure proper alignment
- Engineered plastic selected for long life

A regional conveyor OEM needed a bearing solution to replace failing bearings on their rack systems used in garment/uniform delivery trucks. The failures occurred because the solid plastic roller/bushing very quickly became worn and began to fail in the field. Repair of the current design required a very time-consuming disassembly of the system that also forced some system components to be scrapped. The frantic customer approached Kilian for help in solving the problem which was becoming a major repair expense and a source of customer dissatisfaction.

After careful review of the application, Kilian engineers quickly designed a custom, double-row ball bearing assembly integrated into a housing made with an engineered plastic selected for durability. The key feature that impressed the customer was an integrated set screw which ensures proper alignment to the rack arms, smooth rolling performance, and easy, quick maintenance.

Even though the new bearing design was more expensive than the original plastic bushing, the customer will save many thousands of dollars per year in repair and maintenance costs with the customized, value-added Kilian design solution.

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