

SIX-FOLD INCREASE IN BEARING LIFE FOR CHAIN CONVEYOR SYSTEM APPLICATION

CHALLENGE ▼

Sweden-based Derome Timber experienced challenges keeping its chain conveyor running. The cast-iron housed units only lasted three to four months before heavy shock loads, dirt and debris damaged the bearings inside.

TIMKEN SOLUTION ▼

Derome switched to Timken® spherical roller bearing solid-block housed units. Under the same demanding conditions, these units provided more than two years of uninterrupted service. With a six-fold increase in bearing life and a drastic reduction in downtime and maintenance costs, Derome is gradually converting all its housed units to the Timken brand.

RESULTS THAT MATTER ▼

- Increased bearing life
- Reduction in downtime
- Reduction in maintenance costs

Initial Cost	Replacement Costs (Over 2 Years)					Total Replacement Cost Over 2 Years
Competitor Housed Unit \$190.00 plus \$150.00 (2 hours Installation) \$340	\$340	\$340	\$340	\$340	\$340	= \$1,700
Timken SRBSB Housed Unit \$290.00 plus \$38.00 (30 minute installation) \$328	\$0	\$0	\$0	\$0	\$0	= \$0

* Comparison costs shown reflect average labor rates and do not include downtime or other component replacement costs.



The Timken team applies their know-how to improve the reliability and performance of machinery in diverse markets worldwide. The company designs, makes and markets high-performance mechanical components, including bearings, belts, brakes, clutches, chain, couplings, gears and related mechanical power transmission products and services.