

REPLACE BALL BEARINGS WITH POLY-ROUND® SOLUTION® FOR RUST-FREE OPERATION

Eliminate “Red Water” from your operation

The Problem



Standard bearings will rust

Stainless ball bearings of 440ss will rust from wash-down and process moisture. Coated bearings may last longer, but once the coating is compromised, the metal will begin to rust.

The Solution



EDT bearings are corrosion resistant

EDT Poly-Round® Solution® bearings are made from 300-series stainless and high performance polymers. All materials are **corrosion-resistant**, and parts are designed for the highest levels of sanitation.

Poly-Round® bearings:

- Are 100% non-corrosive (material will never rust)
- Are grease-less
- Use no balls, seals or shields (fewer issues of foreign material contamination)
- Are available in a variety of materials to accommodate different applications
- Provide longer life with less downtime
- Reduce the total cost of ownership
- USDA-accepted



BY TIMKEN



COMPARE THE COSTS OF OWNERSHIP OF
EDT NA Poly-Round® Solution® Bearings
 ON STRAIGHT RUN MODULAR PLASTIC OR WIRE BELT CONVEYORS

EDT bearings save money, time, and labor!

Cost of original bearing

(Non-corrosive ball bearing in polymer housing)

Based on replacing bearing and housing every 6 months



1st Year

Cost to purchase original bearing & housing
 F2BSCEZ100 \$120.00

Cost to initially install bearing
 Labor (1 hour at \$30/hr) \$30.00
 Cost of bearing and installation **\$150.00**

Bearing change-outs per year
 52 weeks divided by 6 months x 2
 1 year cost to buy/install bearings **\$300.00**

Cost of lubricant: Lubriplate® LFG
 1 oz per week at 55¢/oz \$0.55
 Labor: 50¢ per min x 1 min 0.50
 PM frequency: 2 times per week x 104
\$109.20

Total 1 year bearing cost \$409.20
 x number of bearings per machine x 4
One year cost of bearings per machine \$1,636.80

Cost of EDT NA Poly-Round® Solution®

(Poly-Round® polymer insert in polymer housing)

Based on re-using housing and sleeve, and replacing only the insert every 12 months



1st Year

Cost to purchase EDT bearing & housing
 NA2GC7-16-LK \$172.00

Cost to initially install bearing
 Labor (1 hour at \$30/hr) \$30.00
 Cost of bearing and installation **\$202.00**

Poly-Round® bearing guaranteed to run 12 months with zero maintenance **1 YEAR WARRANTY**
 1 year cost to buy/install bearings **\$202.00**

Cost of lubricant:
EDT Poly-Round® bearing is greaseless \$0.00

Total 1 year bearing cost \$202.00
 x number of bearings per machine x 4
One year cost of bearings per machine \$808.00

Machine's 1 year cost with original bearings \$1,636.80
 versus 1 year cost with EDT bearings \$808.00

Savings per machine \$828.80 x 6 modular belt conveyors per facility **\$4,972.80**

One year savings with EDT bearings!

2nd Year

Continue same costs as 1st year

Total 2nd year bearing cost **\$409.20**
 x number of bearings per machine x 4
 2nd year machine cost with original bearings **\$1,636.80**

Total 2-year cost of bearings on 1 machine **\$3,272.80**

2nd Year

Replace Poly-Round® insert

Poly-Round® NAIPCO-C \$39.00

Labor: \$30/hour x 1 hour \$30.00
 x number of bearings per machine x 4
 2nd year machine cost with EDT bearings **\$276.00**

Total 2-year cost of bearings on 1 machine **\$1,084.00**

Machine's 2 year cost with original bearings \$3,272.80
 versus 2 year cost with EDT bearings \$1,084.00

Savings per machine \$2,186.96 x 6 modular belt conveyors per facility **\$13,121.76**

Savings over 2 years using EDT bearings!

Plus significantly reduced maintenance scheduling and less downtime!

The above illustration is based on average plant conditions.
 Individual results can vary based on installation and maintenance practices, and environmental conditions.

**For a Cost of Ownership analysis of your specific application,
 contact an EDT sales representative today**

QuiKlean® Housings



QuiKlean® housings enhance sanitation with a standoff integral to the housing:

- Better access for cleaning
- Permits wash-out of solids
- Avoids washers or bushing
- Minimal surfaces to trap bacteria
- 5/8" is EDT standard* height

*Exception is broader housing ZA100-QK

LOOK TO EDT TO HELP YOU
 SELECT THE BEST BEARING
 FOR YOUR APPLICATION



Fill out a
Bearing Design Checklist

edtcorp.com/docs/bearing-design-checklist.pdf
 OR

<http://tinyurl.com/edtbdc>

Bookmark it!



**Double the life on
 Poly-Round® bearings!**

When wear is too far in one direction,
 rotate the bearing
 to utilize the
 unworn portion



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