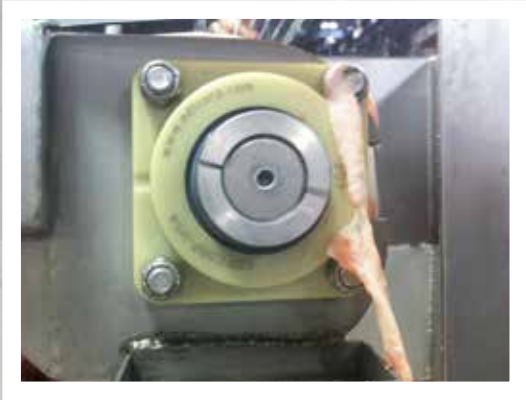




BY TIMKEN

BEARING SOLUTIONS FOR ALL AREAS OF THE PROCESS FLOOR



Poly-Round® Plane Bearings



Mounted Ball Bearings



Type E Solution® Bearings



Radial Ball Bearings



Radial Poly-Round® (RPR) Bearings



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From receiving to shipping, EDT is your **ONE SOURCE** for bearings throughout the process floor

Plane Bearings

Plane bearings are well suited to food processing because they operate with no rolling elements and therefore no seals or shields. EDT plane bearings are made of engineered polymers and 316 stainless steel.

- NO lubrication
- NO rust
- NO contamination
- USDA-accepted



Consider plane bearings for any of these applications:

- Bearings are mounted directly over food product zones
- Harsh chemicals are used for cleaning
- Submerged applications
- Temperature is anywhere between cryogenic and 950°F
- Contamination from grease is unacceptable
- Slow speed, start-stop or incomplete rotation (where hydro-dynamic lubrication film cannot be achieved)
- Direct food contact or other sanitary requirements

Ball Bearings

Ball bearings are traditionally used throughout the process floor. They are necessary in locations where there are:

- Flat- or v-belt tensioned drives
- Curved conveyors
- Side flexing tabletop chains
- Direct motor drives
- High-speed shafts
- Overhung loads

For locations that do not have any of these conditions, plane bearings can offer advantages.

EDT offers a wide range of 440C stainless bearings when you need or want to use a ball bearing.

Poly-Round® inserts

Interchangeable with ball bearing inserts



Count on Poly-Round® bearings in these locations:

- Sprocket-driven belt (avoid drum-driven belts)
- Submerged applications
- Infrequent cycling or partial rotation

Poly-Round® One-Year Guarantee!

On straight modular plastic and wire belt conveyors, a Poly-Round® bearing with a sleeve is **GUARANTEED** to operate at least 12 months with low/no maintenance or EDT will replace it with the bearing of your choice.

Radial Poly-Round® bearings

Retrofit unmounted radial bearings and yoke rollers



Count on RPR's in these bearing locations:

- Low to moderate speed
- Low to moderate load
- Infrequent cycling or partial rotation
- Bearing is used as a roller, particularly with positive contact pressure

Type E Solution® bearings

Retrofit tapered or spherical roller bearings



Solid or split styles: pillow block, four bolt, pilot

Count on EDT Type E Solution® bearings in these locations:

- Motion is driven by a sprocket or gear (avoid drum-driven belts)
- Low to moderate thrust loading
- High load with low to moderate speed (load capacity is a factor of the speed of operation)

Mounted Ball bearings



- Industry-standard dimensions
- Setscrew- or eccentric- locking
- 3 series: Value, Choice or Classic
- Housings: polymer or stainless (cast or machined)

Radial Ball bearings



- Industry-standard dimensions
- Good stock
- Additional sizes available with short lead times

Solid Lubrication

When bearings operate in environments that compromise grease, and the application is not appropriate for a plane bearing, solid lubricant can be a good alternative. EDT solid lubricants can extend the life of ball bearings in areas where lubrication issues exist.

Solid lube bearings:

- Are lubricated for life
- Are more resistant to wash out than greased bearings
- Do not require re-greasing
- Keep contamination out because they are 100% filled
- Are available for temperatures from -250°F to +650°F
- Are available to operate in a vacuum



No matter what you make, EDT has bearings to keep equipment running smoothly with reduced maintenance and lower cost!

Whatever your process, EDT has bearings to keep equipment running smoothly

Industry Equipment

	Poly-Round® Bearings	Radial Poly-Round®	Type E Solutions®	Mounted ball bearings	Radial ball bearings	Solid lubrication
Bakery/Tortilla						
Conveyors	X			X		X
Proofers	X		X	X		X
Ovens	X		X	X		X
Freezers	X		X	X		X
Fryers	X	X	X	X	X	X
Metal detectors	X		X	X		X
Cooling lines	X		X	X		X
Packaging machines	X			X	X	X
Beverage						
Conveyors	X		X	X		X
Coolers	X		X	X		X
Fillers		X			X	X
Coolers/Warmers	X		X	X		X
Breakfast Cereal						
Conveyors	X		X	X	X	X
Ovens	X		X	X		X
Metal detectors	X			X		X
Packaging machines				X	X	X
Confectionary						
Conveyors	X			X		X
Ovens	X			X		X
Metal detectors	X			X		X
Mixers/blenders	X		X	X		X
Packaging machines	X			X	X	X
Dairy						
Briner/Cooker	X			X	X	X
Bucket Scales		X			X	X
Conveyors	X		X	X		X
Fillers		X		X		X
Pasteurizers	X		X	X		X
Packaging machines	X			X	X	X
Process equipment	X			X	X	X
Shredders				X	X	X
Shrink wrap tunnels	X			X		X
Fruit/Vegetable						
Conveyors	X		X	X		X
Single pivot dumpers	X		X	X		X
Bucket scales		X		X		X
Dryers	X			X		X
Freezers	X			X		X
Cooling tunnels	X			X		X
Cleaning tanks	X			X		X
Peelers	X					
Sizers	X		X	X		X
Fryers	X			X		X
Breaders				X		X
Metal detectors	X			X		X
Packaging machines	X			X	X	X
Pet Food						
Bucket Scales		X			X	X
Conveyors	X			X		X
Single pivot dumpers	X		X	X		X
Cookers	X		X	X		X
Mixers	X		X	X		X
Retorts		X		X		X
Yamato scales		X			X	X
Metal detectors	X			X		X
Packaging machines	X			X	X	X

Industry Equipment

	Poly-Round® Bearings	Radial Poly-Round®	Type E Solutions®	Mounted ball bearings	Radial ball bearings	Solid lubrication
Poultry						
Birdwashers	X	X		X	X	X
Charmarker/Brander	X			X		X
Conveyors	X		X	X		X
Metal detectors	X			X		X
Single pivot dumpers	X		X	X		X
Massagers	X		X	X		X
Mixers	X		X	X		X
Ovens	X		X	X		X
Fryers	X			X		X
Packaging machines	X	X		X	X	X
Debone machines		X			X	X
Sizers				X	X	X
Freezers	X		X	X		X
Breaders				X		X
Shrinkwrap tunnels	X			X		X
Bucket Scales		X			X	X
Screw conveyors	X		X	X		X
Auto-rehanger (Stork)		X			X	X
Offal auger	X		X			
Prepared Foods						
Conveyors	X			X		X
Line shaft bearings	X		X	X		X
Blanched	X			X		X
Mixers	X		X	X		X
Single pivot dumpers	X		X	X		X
Breaders				X		X
Fryers	X	X		X	X	X
Ovens	X		X	X		X
Fillers		X			X	X
Freezers	X		X	X		X
Metal detectors	X			X		X
Packaging machines	X	X		X	X	X
Shrink wrap tunnels	X			X		X
Red Meat /Beef/Pork						
Carcass washers	X		X	X		X
Conveyors	X		X	X		X
Metal detectors	X			X		X
Single pivot dumpers	X		X	X		X
Massagers	X		X	X		X
Mixers	X		X	X		X
Cookers	X		X	X		X
Screw conveyors	X		X	X		X
Ovens	X		X	X		X
Fryers	X	X		X	X	X
Slicers	X	X		X	X	X
Packaging machines	X			X	X	X
Freezers	X			X		X
Offal auger	X		X			
Shrink wrap tunnels	X			X		X
Seafood						
Blenders/Mixers	X		X			
Conveyors	X		X	X		X
Breaders				X		X
Fryers	X	X		X	X	X
Freezers	X			X		X
Metal detectors	X			X		X
Packaging machines	X			X	X	X
Shrink wrap tunnels	X			X		X
Spice Foods						
Conveyors	X		X	X		X
Sizers	X			X		X
Fryers	X	X		X	X	X
Peelers	X					
Freezers	X			X		X
Screw Conveyors	X		X	X		X
Metal detectors	X			X		X
Single pivot dumpers	X		X	X		X
Ovens	X		X	X		X
Bucket scales		X			X	X
Packaging machines		X			X	X
Shrink wrap tunnels	X			X		X



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