

EDT Bearing Selection Guide



IDEAL LOCATIONS

TYPE OF EDT BEARING

Class III Plane Bearings

- Modular plastic belt conveyors
- Wire belt conveyors
- Dumpers
- Freezers
- Fryer paddles
- Idler rollers
- Ovens
- Pasteurizers
- Sizers
- Fillers and cams

- Poly-Round®
- Poly-Sphere®
- All-Round®
- EDT Type E Solution®
- Radial Poly-Round®



Caution

CAUTION Plane bearings are **NOT** well suited to locations with:

- Flat belt conveyors (rubber, pvc, fabric belts)
- Curved table-top conveyors
- High speed shafts
- Trunnions
- Overhung loads (ex: unsupported shaft-mounted gear reducers)

In these kinds of applications, ball bearings are recommended.

Ball Bearings

- High speed shafts including fans, motors, table-top conveyors
- High tension locations including
 - Flat belt conveyors
 - Urethane belt conveyors
 - Curved conveyors
- Overhung loads (like shaft-mounted gear reducers)
- Trunnions

Styles

- Inserts: set-screw or eccentric
- Unmounted radials

Options

Materials

- Stainless, NCS, or steel

Lubrication

- Food grade grease
- Solid lubricants (various)
- Vacuum grade
- Stock grease



Caution

CAUTION ball bearings are **NOT** well suited to locations such as:

- Places where grease is a contaminant
- Sanitary and direct food contact locations
- Corrosive locations
- High or low temperatures
- Start-stop locations or infrequent motion applications
- Partial rotation or oscillating motion
- Difficult to maintain locations

In these kinds of applications, plane bearings should be considered.

THE EDT Poly-Round® Solution® GUARANTEE

EDT Poly-Round® Solution® plane bearings in smooth, strong, sanitary housings offer a grease-free, clean, non-rusting alternative to rolling element bearings. As a result, maintenance time and costs are reduced, and up-time is improved.

On sprocket-driven modular plastic and wire belt conveyors, EDT GUARANTEES the NA Poly-Round® bearing to last 1 year, or EDT will replace it with the bearing of your choice.



180° When bearing exhibits excessive wear in one direction, the insert can be rotated 180° to extend bearing life.

