



# SELECT THE BEST EDT INSERT FOR THE ENVIRONMENT

## Class III Plane Bearings

## Ball Bearings



**Poly-Round® Bearings**

**All-Round® Supreme Bearings**

**Stainless Steel Ball Bearings**

**Solid polymer bearing insert with locking sleeve:**

- cost effective and convenient
- thick bearing wall offers long life
- sanitary and cleanable
- predictable operation and wear
- non-corrosive
- non-conductive
- requires no grease after installation
- dimensionally interchange with all industry standard spherical bearings
- available in all inch and metric sizes

**Materials for Poly-Round® bearing**

- NA:** moderate speed and load  
good for impact and washdown environments  
6,000 pv rating  
-40°F to 220°F  
incidental food contact  
color - gray
- QF:** speed to 400 sfm; high load (call for details)  
good for submerged or chemical location  
good for high or low temperatures (with special bore)  
60,000 pv rating  
cryogenic to 500°F  
incidental food contact  
color - black
- FA:** not affected by chemical, moisture, or impact  
good for submerged oil or chemical locations involving edible products  
6,000 pv rating  
cryogenic to 500°F  
direct and continuous food contact approved  
color - white
- PA:** low speed and load  
excellent for submerged or chemical  
1,000 pv rating  
cryogenic to 150°F  
direct food contact approved  
color - white

**Stainless steel inserts with replaceable flanged polymer bearing:**

- dimensionally interchange with all industry standard spherical bearings
- non-conductive
- require no grease after initial installation
- sanitary and cleanable
- corrosion resistant
- predictable operation and wear
- cost-effective and convenient
- reusable components
- spherical or ER-style
- outer race available in 304 or 316 ss
- available in all inch and metric sizes

**Materials for All-Round® flanged bearing**

- QB:** excellent price-to-performance  
not recommended in submerged or high-salt or extreme pH locations  
50,000 pv rating  
cryogenic to 550°F
- QF:** speed to 400 sfm, high load (call for details)  
unaffected by any chemicals at temperatures below 400°F  
60,000 pv rating  
cryogenic to 500°F  
incidental food contact

**Choose ball bearings instead of PLANE BEARINGS in these applications**

- high tension (flat belt conveyors, urethane belts, V-belt drives)
- high speed devices (fans, pumps, table top conveyors)
- overhung loads (shaft mounted gear reducers)
- trunnions

- choose ball bearings for applications where plane bearings are not recommended:
  - high speed locations  
fans, pumps, saws/knives
  - overhung loads
  - tension locations  
flat belts, Eagle belting, V-belt drives
  - trunnion devices

Choices of:

- **re-greaseable** lubricated with food grade grease
  - operating range -40°F to 300°F
  - high temp grease to 400°F
- **solid-lubricated** (grease-less) with either of two kinds of lubrication:
  - for chemical resistance, very low friction, temperature extremes (specify -250°F to 650°F), vacuum locations
  - oil-filled polymer to block contaminants into bearing at ambient temperatures (food-grade; wet or dry)

