

Mounted Plane Bearings



An efficient way to eliminate bearing problems associated with severe service environments is by using plane bearings whenever possible. EDT specializes in designing and manufacturing Class 3 plane bearings that we call 'Poly-Round®' bearings. Various styles of plane bearings are offered, made from an array of polymer materials with different attributes. EDT Poly-Round® bearings involve no balls, need no seals or shields, require NO GREASE and are completely non-corrosive.

EDT PLANE BEARING MATERIALS								
		PV Limit	Max V (SFM)	Max P (PSI)	Temp Range	Chemical	Submerged	Direct food contact
PA	UHMW	1,000	50	800	Cry - 150°F	Excellent	Excellent	Yes
AA	Value Series	2,000	200	1,000	-40°F - 180°F	Fair	Fair	Yes
OE	RPRs, etc	5,000	350	1,000	-40°F - 160°F	Good	Good	-
NA	General use	6,000	350	2,000	-40°F - 200°F	Good	Good	-
FA	Direct food	6,000	350	1,000	-40°F - 500°F	Excellent	Excellent	Yes
QF	High perform	60,000	400	6,000	Cry - 450°F	Excellent	Excellent	-
MZ	High temp	6,000	300	4,000	0°F - 650°F	Excellent	Excellent	-

Poly-Round® inserts directly retrofit insert ball bearings; they can be drop-in replacements for ball bearings mounted on many kinds of machines.

EDT also makes bearing housings that are designed to withstand severe service locations. All styles of mounted bearings, for shafts from 1/2" to 5" and metric, can be accommodated in Solution® stainless steel or polymer bearing housings.



EDT Poly-Round® Solution® plane bearings look good and perform better - let's talk about them for your equipment.

Features & Benefits of EDT Poly-Round® Solution®	
Corrosion-resistant	▶ Will not rust
Grease-less	▶ Clean, safe for use where grease is an issue or in hard-to-maintain locations
No rolling elements	▶ Eliminates grease and shields; no lost balls or seals
Largest, most complete line of off-the-shelf sanitary mounted units in the industry	▶ Faster parts response time, reduced production downtime
EDT provides JIT delivery on parts	▶ Reduces inventory and streamlines production
Custom marking	▶ Build your brand, retain replacement parts bearings, expedite parts re-order
1 year guarantee on modular plastic and wire belts	▶ Proven reliability and low maintenance for your customers
Bearings for high and low temp applications, chemicals	▶ Versatility for a wide variety of severe environments
Direct interchange to industry standard bolt holes and base-to-center heights	▶ No need to modify design to offer grease-less, non-corrosive, longer-lived components
USDA-accepted / NSF-compliant	▶ Excellent choice when high levels of sanitation are required

Poly-Round® One-Year Guarantee!

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