

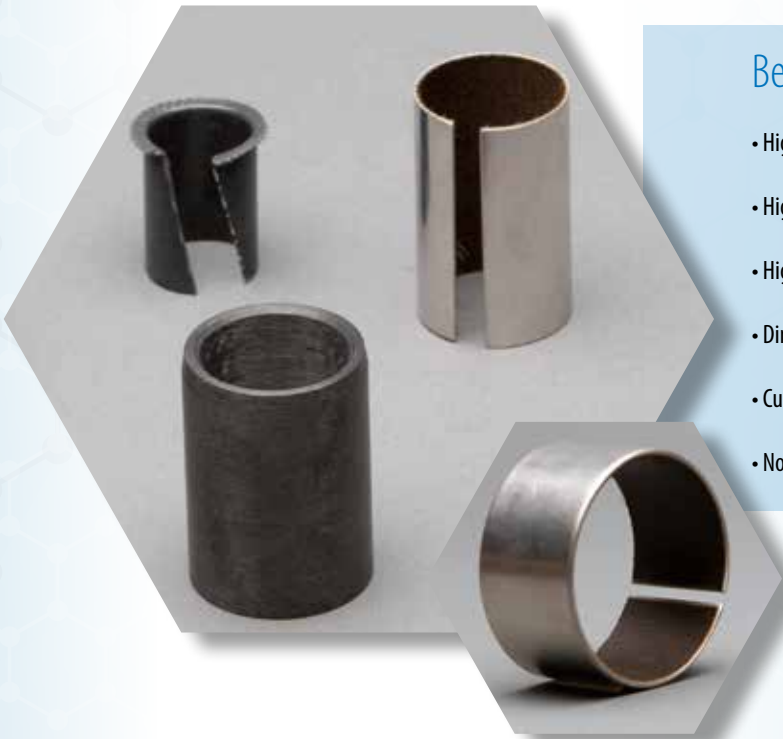


Fibrex® Bearings

Fibrex® bearings utilize an innovative blend of PTFE and glass fibers bonded onto metal sheeting to provide the strength and dimensional stability of a metallic body with the low friction and tribological properties of a reinforced PTFE matrix.

In addition to these design characteristics, Fibrex® bearings minimize Brinelling, fretting and other forms of wear along the contact area.

With its inherent damping properties, Fibrex® bearings are suitable with a wide range of mating materials and are capable of sustaining extremely high loads well beyond the range of solid TFE or any other solid lubricating bearing. Both radial bearing and thrust washer design options are available.



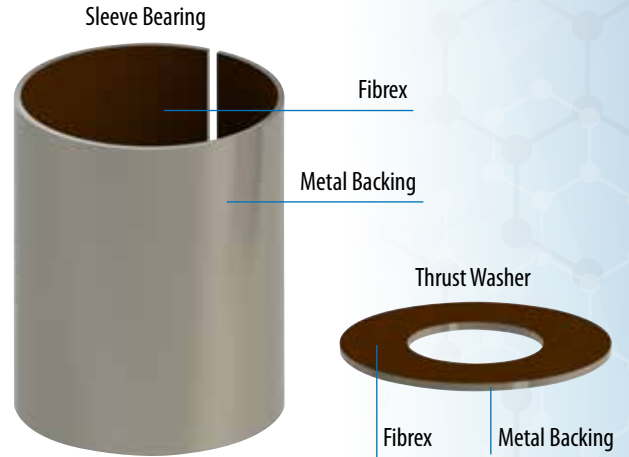
Benefits

- High impact strength
- High resistance to wear
- High load capacity at low speeds
- Dimensionally stable
- Custom sizes for your application
- No lubrication needed

Fibrex® Bearings

Fibrex® Bearings offer the strength and stability of a stainless steel body with the low friction and tribological properties of a reinforced PTFE matrix. Applications include radial bearings and thrust washers for valves, commercial fire sprinkler systems, mixers, blenders, swivels, extruders, etc.

Metal Body Material Options				
316 SS (standard)	Inconel® 625	Inconel® 718	Monel® 400	Hastalloy® C or B
Suggested Hardware and Bearing Tolerances				
Housing Bore Diameter	+.002 inches, -.000 inches			
Shaft Diameter	+.000 inches, -.002 inches			
Bearing Thickness	+/- .002 inches			
Bearing Length	-.000 inches, -.030 inches			
Minimum Radial Bearing Clearance	.002 inches			
Maximum Bearing Load	60,000 psi			
Temperature Limit	400°F up to 30 ksi 350° from 30-60 ksi			
Maximum Diameter	8 inches			
Maximum Length	8 inches			
Velocity Range	0 – 50 FPM			
Coefficient of Friction	0.05 – 0.10			



Standard Thickness (in.)
0.027
0.031
0.033
0.039
0.045
0.050
0.057
0.062
0.075
0.090

Standard sizes not available in all materials. Contact EGC engineering to determine if Fibrex® bearings can fit your application.