



CTP Composite Bearings

CTP Filament Wound Plastic Self-Lubricating Composite Bearings meet the need for high load, self-lubricating bearings that provide low wear rates in a wide variety of applications. Our composite bearings combine the **excellent lubricating properties** of filled PTFE with the high strength and stability of an oriented glass fiber wound structure. They employ a **tough, high strength composite structure** consisting of epoxy-impregnated, **wound glass fibers** oriented to **provide the radial and axial strength required** to support high static and dynamic bearing loads.

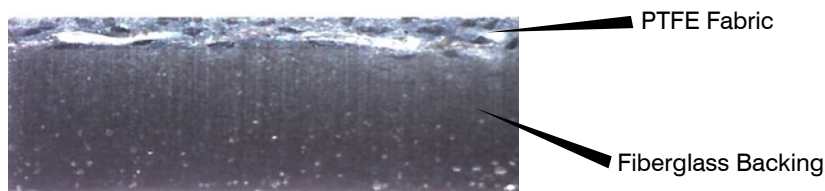
The backing of these composite bearing material is high strength glass fiber with epoxy resin and the lubricating layer of it is PTFE wound fiber or special lubricating fiber. This special structure provides an **outstanding erosion resistance** making it possible to be used in a marine environment and a low friction coefficient under high load and low speed condition. CTP composite bearings can **withstand static loads** of approximately 61,000 PSI and 20,000 PSI under dynamic loading and are suitable for use in a temperature range of -100°C to +160°C. They have low water absorption; their linear expansion coefficient and thermal expansion factor is similar to that of steel.

Typical Applications:

- ✓ Steering linkages
- ✓ Hydraulic cylinder pivots
- ✓ King pin bearings
- ✓ Boom lifts, scissor lifts
- ✓ Cranes, hoists, lift gates
- ✓ Backhoes, trenchers
- ✓ Skid steers loaders, front-end loaders

Features:

- ✓ High load capacity
- ✓ Excellent shock and misalignment resistance
- ✓ Excellent contamination resistance
- ✓ Very good friction and wear properties
- ✓ Good chemical resistance



Bearing Composite

Part No.	Machine
1545404	416C, 416D, 420D, 424D
1832358	416C/D, 424D, 426C, 420D, 428C, 430D, 436C
2G3686	120G
3G2579	140G, 140M, 160H
3G2581	140G
6Y3548	D7H
7D8889	120M, 12G, 12M, 130G
8D4137	14G
8D4138	14G, 14H, 14M
8D4496	14G, 14H, 14M
8D6629	130G
8D7086	12H, 12M, 140M, 160H
8D7282	12G, 130G, 140G
8D7284	120G, 12G, 130G, 140G
8D7685	320D
8D7996	120G, 120H
8D8168	120H
8D9296	120, 120G
9D0047	120G
9D0057	120G
9D1511	120G
9D1512	120G

* Other part no. not included in the list are available. Please contact your sales representative if you have any questions.
Part Numbers are used for reference purposes only