



2025

Combined axial & radial bearings

Made of high-performance polymers for static & dynamic applications

Customer application

Combined axial/radial bearings carry out two tasks simultaneously: they precisely and reliably support both radial and axial forces, all within a compact design. These assemblies are used in a wide range of demanding applications, including viscoelastic vibration dampers. Our solutions made from high-performance plastics impress with excellent friction values, high wear resistance and long service life. Integrating both bearing functions into a single component not only saves space and weight, but also reduces the complexity of your assembly.

Our solution

Design


- Variable sizes from 20 mm to 400 mm allow flexible use in similar applications
- Customized solutions

Materials

- PAI GLon™
- PEEK GSpire™
- PFAS-free formulations „Total-free PFAS“

Our benefits

 Maintenance-free and wear-resistant
exceptional durability

 Good media resistance
compatible with all conventional oils

 Metal & PTFE substitution
low weight, easy to assembly

 Sustainable materials
PFAS-free

The parameters, material recommendations, installation suggestions, and all other information provided by us are based on empirical data. Practical testing in the actual operation is always required before application.

