High Temperature Graphite Bearings

Dry lubrication for exhaust valves
High Temperature Graphite Bearings

Special self-lubricating Graphite materials for high temperature applications from optimized production processes for highest precision and flexibility.

Exceptional dry lubrication, universal chemical resistance and high temperature stability are the characteristics which make our graphite bearings perfect for the use in exhaust systems.

With our specialized production abilities, we offer high accuracy up to IT6 (ISO286), big volumes, special services and short product development cycles.

**Typical characteristics: Carbon Graphite:**
- max Temp: 650 °C
- Bending Strength: 45 MPa
- Compressive Strength: 110 MPa
- CTE: 3-4 x10⁻⁶/K

**Your most important benefits:**
- Dry lubrication ability
- Temperature stability
- Chemical stability
- Accuracy
- Flexible production abilities

Function of bearings in exhaust systems

**Applications**
- Exhaust Valves
- Backpressure EGR
- Silencer Bypass
- Other Bypass Systems
- Control Levers in high temperature or aggressive media atmosphere