

## **BUSHINGS** Frictional Bearings

### **Open & Ground Tolerance**

Hyperion Materials & Technologies manufactures high quality cemented carbide bushings and bearing sleeves that work in corrosive and abrasive (due to load, rotation, friction, etc.) environments. Our bushings show wear and corrosion resistance with a high fracture toughness for demanding axial thrust. Hyperion also offers FDA compliant materials.

### **Sizes**

Outer Diameter: 3 to 350 mm  
Height: 1.5 to 300 mm  
Wall Thickness/height: > 0.10 mm

### **As Sintered**

Roughness Average (Ra): 3.2  
Tolerances:  $\geq \pm 1\%$

### **Standard Grades**

Grades with hardness (HV30) from 900 to 2200  
Grades resistant to corrosion down to pH > 2

### **Options**

Ground tolerances to  $\mu\text{m}$  level  
Shape features as chamfers, radii, slots, holes, and key-way  
Inner and outside profiles  
Polished finish (Ra): from 0.025 to 0.2 - 0.5  
Laser engraving

Customized packaging available upon request: plastic trays, thermo-/vacuum-sealed, and bubble envelope.

Additional sizes, tolerances, grades, and quantities (e.g., tests) are available upon request.

