

RINGS

Wear Rings

Open & Ground Tolerance

Hyperion Materials & Technologies manufactures cemented carbide mechanical seals that provide outstanding material performance in corrosive and abrasive environments. Hyperion seal faces help to minimize leakages by maintaining a stable sealing gap due to high mechanical strength and stiffness. Cemented carbide seal rings can be engineered to fit your specific needs.

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 up to μm level
Shape features as chamfers, radii, slots, and holes
Inner and outside profiles
Surface finishes: standard, matte, and mirror
Flatness: down to 1 to 2 light bands
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.

