Wear Parts

PLUNGERS

Stepped Cylinders

Open & Ground Tolerances

Hyperion Materials & Technologies manufactures cemented carbide cylinders for use as plungers. They are available as stepped and non-stepped with or without center ends. We partner with our customers to design the cylinder and develop solutions for their applications.

Sizes

Outer Diameter (ΦD): ≤ 115 mm Length (L): ≤ 370 mm

As Sintered

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

Standard Grades

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

Options

Center ends: one or two; Minimum d = 1.2 mm; Length = $2.5 \times \Phi D$

Ground Tolerances: $\Phi D \ge \pm 0.006$ and $L \ge \pm 0.06$

Roughness Average (Ra): ≥ 0.05

Transition steps

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



