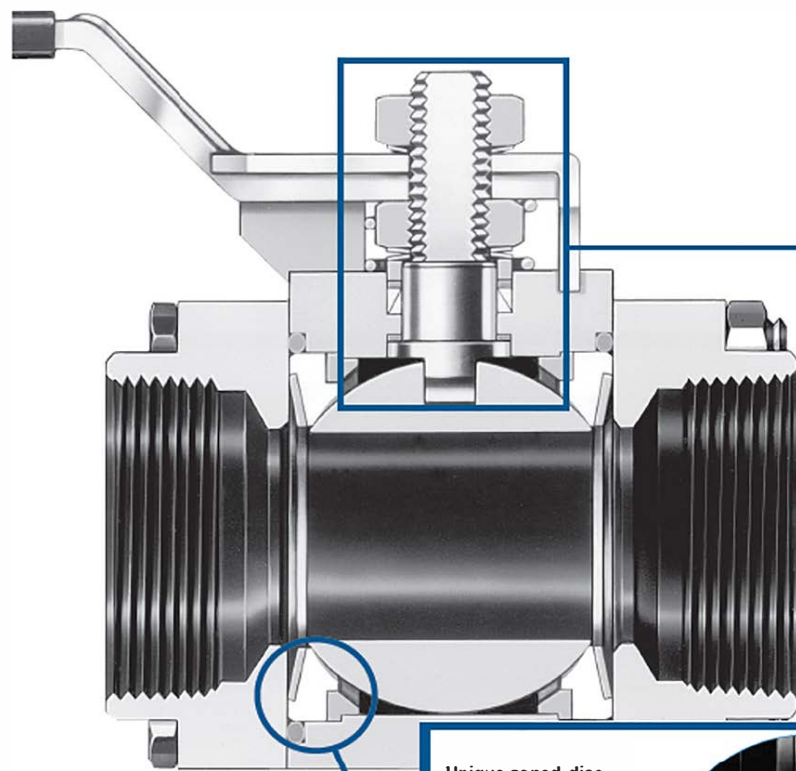
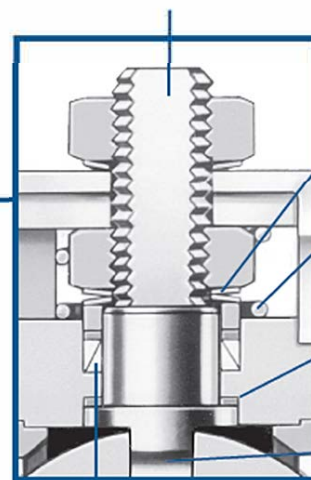


Swagelok 60 Series Ball Valves

Swagelok



Directional stem flats



Stem springs

Grounding spring

High-strength
stem bearings

Bottom-loaded stem

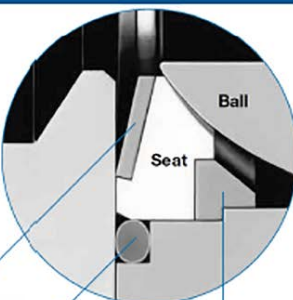
Unique coned-disc spring-loaded seat

- compensates for seat wear, pressure, and temperature changes
- reduces seat wear from pressure surges
- seals regardless of flow direction

Coned-disc spring

Flange seal
provides leak-tight
seal between flange
and center body

Support ring
contains the seat and
protects against seat
bulge, premature wear,
and deformation



Two-piece chevron packing

The two-piece packing in the 60 series valve is what makes it truly “live-loaded.” The two pieces of chevron packing work together to create a robust stem and bonnet seal. As an axial load is applied from the stem nut, it is transmitted radially along the entire length of the packing to the stem resulting in a **low actuation torque**.

In a conventional seal, this load is transmitted at much higher loads with an uneven force distribution, ultimately leading to **lower cycle life and higher actuation torques** as compared to the chevron packing.

