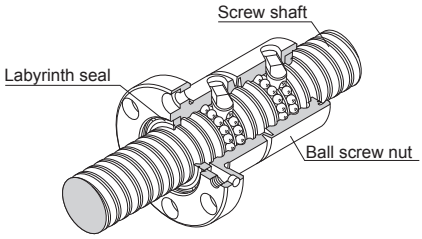
Contamination Protection Seal for Ball Screws

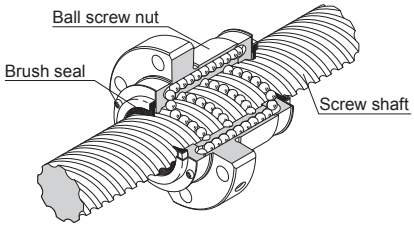
If the ball screw is used in an atmosphere free from foreign material but with suspended dust, a labyrinth seal (with symbol RR) and a brush seal (with symbol ZZ) can be used as contamination protection accessories.
The labyrinth seal is designed to maintain a slight clearance between the seal and the screw shaft raceway so that torque does not develop and no heat is generated, though its effect in contamination protection is limited.
With ball screws other than large lead and super lead types, there is no difference in nut dimensions between those with and without a seal.

Labyrinth seal
Symbol: RR (Precision ball screw)
(Rolled Ball Screw Model JPF)



Labyrinth seal

Brush seal
Symbol: ZZ (Rolled ball screw)



Brush seal