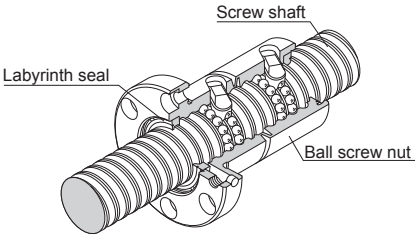
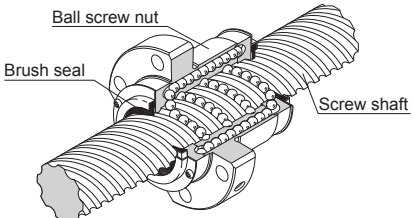
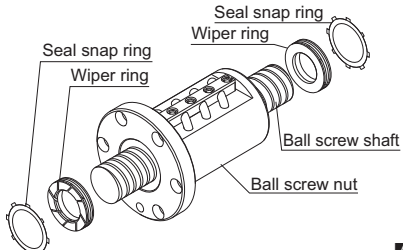
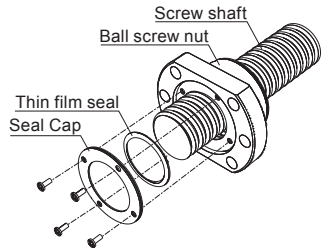


## Ball Screw Options

# Contaminaton Protection

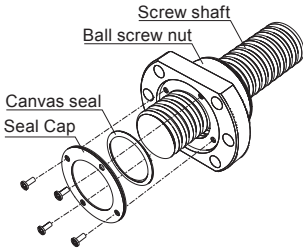
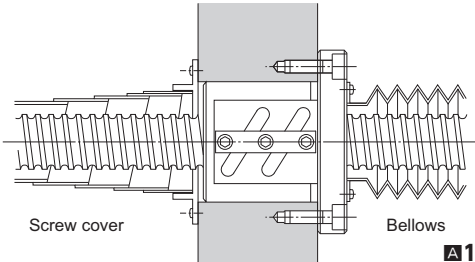
If foreign material enters the interior of the ball screw, abnormal levels of abrasion and ball clogging are more likely to occur. This can also shorten the overall lifespan of the product.

As such, foreign material needs to be prevented from entering. If there is a chance that foreign material may get in, it is important to choose an effective contamination protection product that suits the usage conditions.

<p>Labyrinth seal (Precision Ball Screw) (Rolled Ball Screw Model JPF) Symbol: RR</p>	 <p style="text-align: right;"><b>A15-336</b></p>
<p>Brush seal (Rolled Ball Screw) Symbol: ZZ</p>	 <p style="text-align: right;"><b>A15-336</b></p>
<p>Wiper ring Symbol: WW</p>	 <p style="text-align: right;"><b>A15-337~</b></p>
<p>Thin film seal (SDA-V, SDA-VZ, SDAN-V only) Symbol: TT</p>	

## Options

## Lubrication

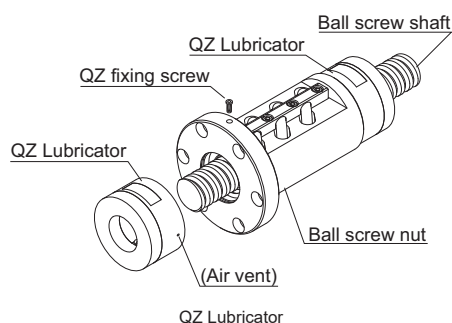
<p>Canvas seal (SDA-V, SDAN-V, HBN-V only) Symbol: CC</p>	 <p>Screw shaft Ball screw nut Canvas seal Seal Cap</p> <p><b>A15-339~</b></p>
<p>Dust cover Bellows Screw cover</p>	 <p>Screw cover Bellows</p> <p><b>A15-341</b></p>

## Lubrication

To maximize the performance of the Ball Screw, it is necessary to select a lubricant and a lubrication method according to the conditions.

For types of lubricants, characteristics of lubricants and lubrication methods, see the section on “Accessories for Lubrication” on **A24-2**.

Also, QZ Lubricator is available as an optional accessory that significantly increases the maintenance interval.



## Corrosion Resistance (Surface Treatment, etc.)

Depending on the service environment, the Ball Screw requires corrosion resistance treatment or a different material. For details of corrosion resistance treatment and material change, contact THK. (see **B0-18**)