

# Q&A

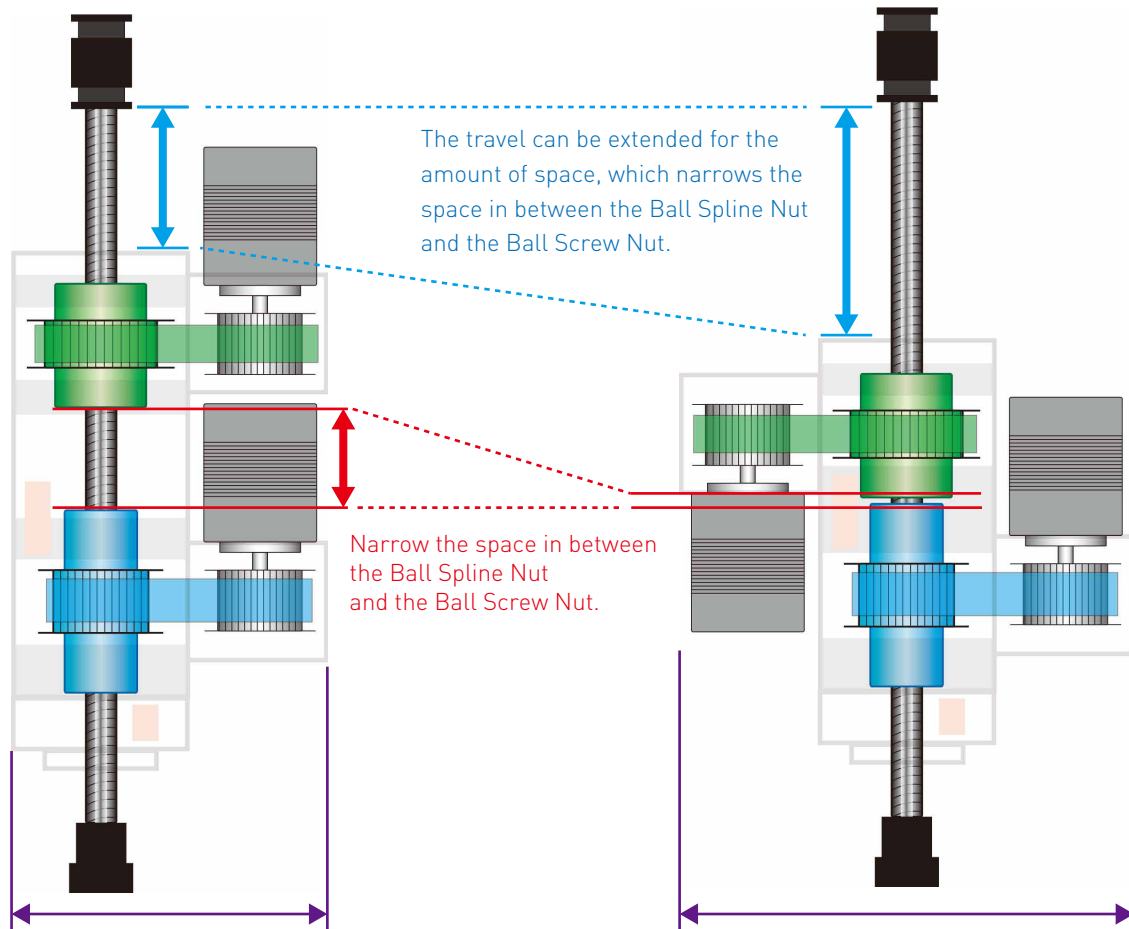
Question:

Is it possible to extend the travel for V-Z- $\theta$  Actuator?

Yes it is, however we cannot set certain length, because it depends on the type of Motor and Actuator. In addition, the Shaft built in such Actuator which is our Ball Screw with Ball Spline (BSSP) is high precision ground type, so there is a limitation to extend the lengths with keeping its high accuracy. Please kindly ask KSS if you have request of extending the travel. For your information, below is the case example of extending the travel for Belt Drive type Actuator. Illustration shows that it makes possible to extend the travel by shifting the phase of the Motor without extending the Shaft of Ball Screw with Ball Spline (BSSP) used in the Actuator.

【Catalog Standard design】

【Customized design】



The travel can be extended for the amount of space, which narrows the space in between the Ball Spline Nut and the Ball Screw Nut.

Narrow the space in between the Ball Spline Nut and the Ball Screw Nut.

However, the width of the body will be wider for the width of the Motor.

Extending the travel is difficult to realize..