Overview of Support Units

Technique and Structure

What are Support Units?
- Dedicated bearing components that are always used as a set with ball screws.
- Angular contact bearings that receive large axial load are used.

Structure of Support Units

<Fixed Side>

<Support Side>

Shape of Support Units and Mounting Examples

Square

Round

Combination of Ball Screws and Support Units

When selecting Support Units for Ball Screws, note that it can be combined if dimensions of bearing installation part on Fixed Side of the Ball Screw [Fig. 1] and bearing I.D. of the Support Unit [Fig. 2] are the same.

Fig. 1 - Example of Ball Screw BSS1505>

Fig. 2 - Example of Support Unit BSW12>

Combination of Fixed Side and Support Side Support Units

Support Units - Square (Fixed Side)

Mounting Interface Accuracies

Square

Round

Support Units - Round (Fixed Side)

Mounting Interface Accuracies

Standard

Economy

Radial Bearing Type

Compact

Low Profile Type

Cross-Slotted Nut/Plain Type

with Dowel Holes

with Stopper

Support Units - Square (Fixed Side)

Mounting Interface Accuracies

Square

Round

Standard

Economy

Radial Bearing Type

Compact

Low Profile Type

Cross-Slotted Nut/Plain Type

with Dowel Holes

with Stopper

Support Units - Round (Fixed Side)

Mounting Interface Accuracies

Standard

Economy

Radial Bearing Type

Compact

Low Profile Type

Cross-Slotted Nut/Plain Type

with Dowel Holes

with Stopper

* Excludes C-BBFNW15,20, C-BBFNW15,20.