

# Support Units

## Overview

### Support Units Lineup

#### Part

New release!

Shape	Type	Product Name						Features
		Fixed Side [Part Number]			Support Side [Part Number]			
		Bearing used	Part Number		Bearing used	Part Number		
Square	<b>Standard</b>	Oversea manufactured Angular Contact Bearing Class P5	C-BSW		Oversea manufactured Radial Bearing	C-BUN		(Industry Standard Product) Suitable for assembly with C-VALUE ball screw*. For medium-low operation frequency, medium-low positioning precision usage. 20% reduced from existing products! Further 5% reduction when ordering in Sets.
	<b>Standard Narrow Pitch</b>	Oversea manufactured Angular Contact Bearing Class P5	C-BSFW		Oversea manufactured Radial Bearing	C-BUFN		
Round	<b>Standard</b>	Oversea manufactured Angular Contact Bearing Class P5	C-BRW		Oversea manufactured Radial Bearing	C-BUR		

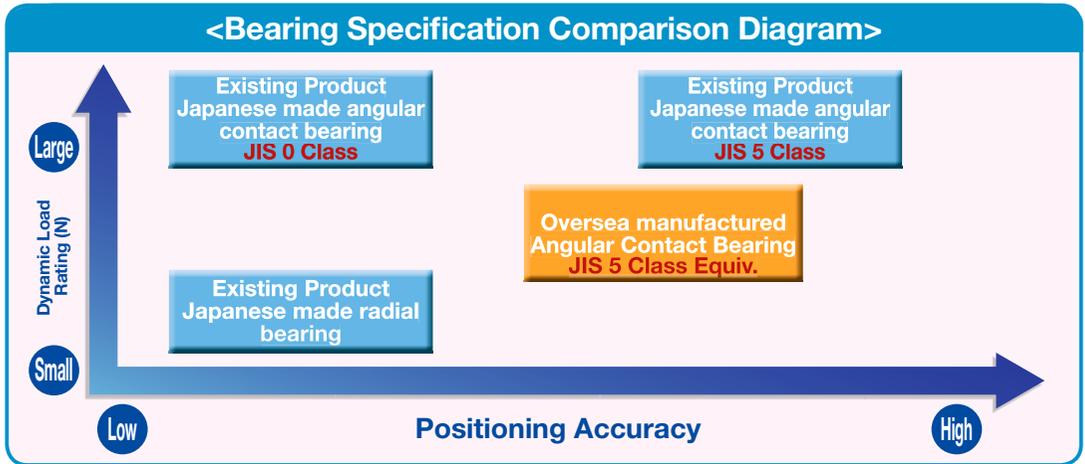
\* Excludes C-BSFW15,20, C-BUFN15,20.

#### Existing Part

Shape	Type	Product Name						Features
		Fixed Side [Part Number]			Support Side [Part Number]			
		Bearing used	Part Number		Bearing used	Part Number		
Square	<b>Standard</b>	Japanese Made Angular Contact Bearing Class P5	BSW BSWN BSWR		Japanese Made Radial Bearing	BUN BUNM BUNR		Industry Standard
	<b>Economy</b>	Japanese Made Angular Contact Bearing Class P0	BSWE BSWEM BSWER		-	-	-	Angular Contact Bearing Class P0 is used
	<b>Radial</b>	Japanese Made Radial Bearing	BSWZ BSWZM		-	-	-	Radial Bearing used.
	<b>Compact</b>	Japanese Made Angular Contact Bearing Class P0	BSQ BSQM		Japanese Made Radial Bearing	BUQ BUQM		Easy to use in a limited width space. Suitable for small devices.
	<b>Low Profile</b>	Japanese Made Angular Contact Bearing Class P5	BSV BSVM		Japanese Made Radial Bearing	BUV BUVM		Lower profile linear motion units can be made. Recommended to use together with Compact Nut. (BSSC in P.687~)
	<b>Narrow Pitch</b>	Japanese Made Angular Contact Bearing Class P5	BSA BSAM		Japanese Made Radial Bearing	BUA BUAM		Easy to use in a limited width space. Suitable for small devices.
	<b>With Damper</b>	Japanese Made Angular Contact Bearing Class P5	BSWD		Japanese Made Radial Bearing	BUND		Unnecessary to design a damper mechanism.
	<b>[Fixed Side] With Dowel Holes [Support Side] With Retaining Ring</b>	Japanese Made Angular Contact Bearing Class P5	BSWG BSWGN		Japanese Made Radial Bearing	BTN BTNM		[BSWG/BSWGN] Easy locating of the housing. [BTN, BTNM] Easy to assemble while preventing the bearing from falling off.
	<b>AC Servo Motor Bracket</b>	Japanese Made Angular Contact Bearing Class P5	BJS BJSM		-	-	-	Ball screws and motors shaft centering are secured by only mounting and aligning a motor with a build-in pilot.
Round	<b>Standard</b>	Japanese Made Angular Contact Bearing Class P5	BRW BRWN BRWR		Japanese Made Radial Bearing	BUR BURM BURR		Industry Standard
	<b>Economy</b>	Japanese Made Angular Contact Bearing Class P0	BRWE BRWEM BRWER		-	-	-	Angular Contact Bearing Class P0 is used.
	<b>Radial</b>	Japanese Made Radial Bearing	BRWZ BRWZM		-	-	-	Radial Bearing used.

**Specification Differences between Existing Parts and Parts**

- parts have different bearing load rating from the existing products.
- Select the ball screw suitable for the usage criteria, otherwise it will affect the device's lifespan performance and its positioning performance.



**Selection Points**

- We recommend support units be used together with ball screws.
- Consider using for devices requiring medium precision positioning, medium load application or medium-low operation frequency.
- Consider using existing parts for high precision positioning, high load application, or high operation frequency.

**<Combination of Ball Screws and Support Units>**

Ball Screw Root Dia.	Support Units		
	Shape	Fixed Side	Support Side
Precision C-BSS	Square	C-BSW C-BSFW*	C-BUN C-BUFN*
Rolled C-BSSC	Round	C-BRW	C-BUR

\* Excludes C-BSFW15,20, C-BUFN15,20.

**Support Units      Part App. Example**

**<Elevator Device>**

**<Features of App. Example>**

- Medium precision positioning
- Use with medium-low frequency drive applications
- Medium-low load application

- Stoker elevator device
- Lift in stepped increments for every work insertion
- Medium precision/low frequency positioning