

# What are C-VALUE Products?

# Why MISUMI C-VALUE Products Are Recommended

## C-VALUE Bearings

Bearings for transfer are...



We want to reduce the cost for a large quantity.  
Well-known manufacturer products are over engineered for low load/rotational speed applications.  
But we are not comfortable with the quality of low-priced products manufactured overseas.

This product will solve your problem  
**Medium Accuracy / Low Price New Products**

**Now Available!**

What are C-VALUE Products?

**Light Load**

**Intermediate and Low Speed**

**Medium Accuracy Rotation** \* Transfers with no positioning needs, etc.

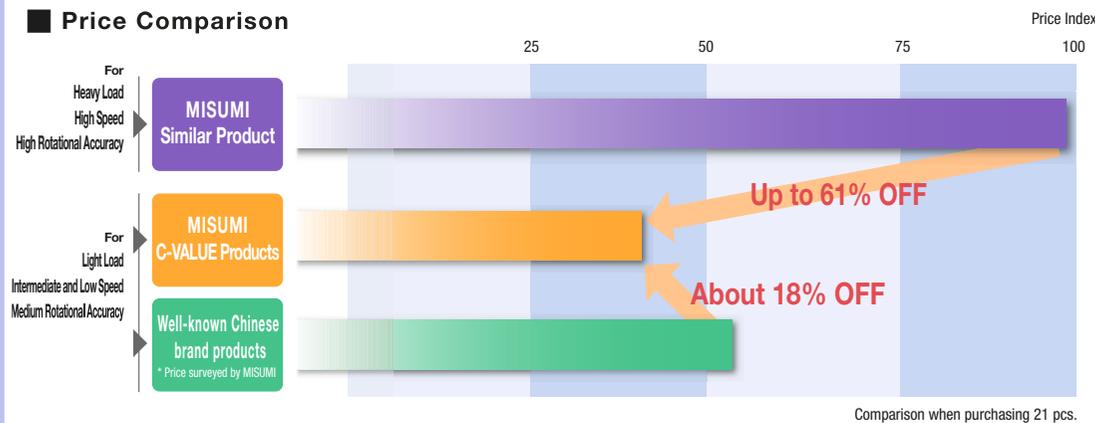
...Bearings exclusively used for these applications.

Please try to use MISUMI C-VALUE Products for the above application.  
More quantity you purchase, better the cost performance will be!

## Price Comparison

Compared to MISUMI Similar Products, you can save up to 61%! Lower price than other manufacturers' products as well!  
Try and compare the difference.

### Price Comparison



## C-VALUE Products App. Example

MISUMI C-VALUE Products are:

**Light Load**

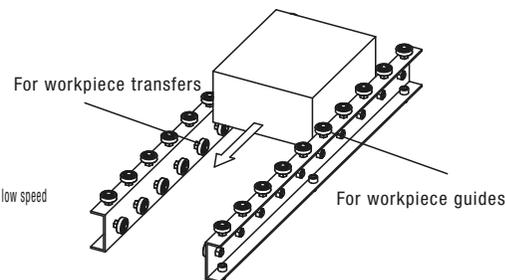
**Intermediate and Low Speed**

**Medium Accuracy Rotation**

...Bearings exclusively for these applications.

It is recommended for the following points of use:

- Light Load: Bearings or receivers that carry a light-weight workpiece
- Intermediate and Low Speed Applications: Bearings for the transfer with following or to be driven only at intermediate or low speed
- Medium Accuracy Rotation: Bearings that can ignore deviations in positioning or rotation



## Variations

Lineup of all 6 types in different shapes and materials. For light load, intermediate and low speed, and medium rotational accuracy applications, we offer the stainless steel and flanged type rarely available from other manufacturers! You can select the most suitable type according to your needs.

Material: EN 1.3505 Equiv.(High Carbon Chromium Bearing Steel)

Material: EN 1.4125 Equiv.(Martensitic Stainless Steel)

Small Ball Bearing C-B6□□ZZ		Max. Cost Reduction Rate
	Available I.D.	<b>51% OFF</b>
	2~8mm	
	Page	
	P.990	

Stainless Steel Small Ball Bearing C-SB6□□ZZ		Max. Cost Reduction Rate
	Available I.D.	<b>55% OFF</b>
	2~8mm	
	Page	
	P.994	

Deep Groove Ball Bearing C-B6□□□ZZ		Max. Cost Reduction Rate
	Available I.D.	<b>60% OFF</b>
	10~40mm	
	Page	
	P.992	

Stainless Steel Deep Groove Ball Bearing C-SB6□□□ZZ		Max. Cost Reduction Rate
	Available I.D.	<b>61% OFF</b>
	10~30mm	
	Page	
	P.996	

Deep Groove Ball Bearing with Flange C-FL6□□□ZZ		Max. Cost Reduction Rate
	Available I.D.	<b>60% OFF</b>
	3~25mm	
	Page	
	P.998	

Stainless Steel Deep Groove Ball Bearing with Flange C-SFL6□□□ZZ		Max. Cost Reduction Rate
	Available I.D.	<b>58% OFF</b>
	3~15mm	
	Page	
	P.1000	

## Specifications & Standards

### Cautions on Selection

Two differences between C-VALUE Products and the MISUMI Similar Products are:

- Allowable Load**
- Bearing Internal Clearance**

When you select a product, verify the check points ① and ② in the product page specification table (values in the red frame) and use the product accordingly. \* See the below table for the example of specification comparison.

### JIS B 1514 Class 0

\* MISUMI C-VALUE Products meet the above standards.  
A minor blemish or dent may be found on the shielding area in rare occasions, but our products have passed all the performance inspections in the manufacturing process, so there will be no problem with the performance.  
For details on the tolerance and allowable values of inner and outer rings, see P.2243

Specification Difference between MISUMI Similar Products and C-VALUE Products [Difference between B6901ZZ (MISUMI Similar Product) and C-B69001ZZ (C-VALUE Product)]

	MISUMI Similar Products	MISUMI C-VALUE Products
<b>Allowable Load</b>	Basic Dynamic Load Rating (Cr): 2.89kN Basic Static Load Rating (Cor): 1.46kN	Basic Dynamic Load Rating (Cr): 2kN Basic Static Load Rating (Cor): 1kN
<b>Life</b>	Basic Rated Life (With 2.89kN load) <b>▶ 1 million rotations</b> EX: Case Example (Rotating at Speed: 750 rpm, Load: 0.5kN) <b>▶ 4,000 hours</b>	Basic Rated Life (With 2kN load) <b>▶ 400,000 rotations</b> EX: Case Example (Rotating at Speed: 750 rpm, Load: 0.5kN) <b>▶ 1,600 hours</b>
<b>Bearing Internal Clearance</b>	Min.:3μm Max.:18μm	Min.:6μm Max.:23μm