

# Threaded Bearings / Urethane Molded Bearings Shafts / Eccentric Bushings

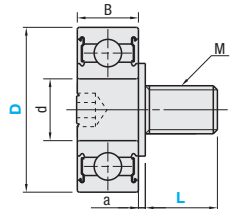
# Cantilever Rollers

■Features: As a mounting screw is already included, no extra retaining part is required.

## Threaded Bearings



| Type              | M             | Material        | S                  | Surface Treatment          |
|-------------------|---------------|-----------------|--------------------|----------------------------|
| Standard Threaded | Long Threaded | Bearing         | Shaft              | Shaft                      |
| NTBG              | NTBGT         | Steel           | Free Cutting Steel | Electroless Nickel Plating |
| NTSBG             | NTSBGT        | Stainless Steel | EN 1.4305 Equiv.   | -                          |



⚠The base of thread contains an incomplete thread portion.

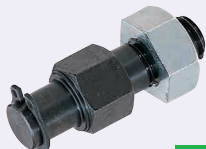
| Part Number | Type | D  | L                 | B  | d   | a  | G   | M        | Bearing    | Unit Price |
|-------------|------|----|-------------------|----|-----|----|-----|----------|------------|------------|
|             |      |    | Standard Threaded |    |     |    |     | (Coarse) |            |            |
|             |      |    | Long Threaded     |    |     |    |     |          |            |            |
|             |      | 6  | 4                 | 6  | 2.5 | 3  |     | M3       | 673ZZ      | NTBG       |
|             |      | 7  | 4                 | 6  | 3   | 3  |     | M3       | W683ZZ     | NTSBG      |
|             |      | 8  | 5                 | 8  | 2.5 | 5  |     | M4       | 675ZZ      | NTBGT      |
|             |      | 9  | 5                 | 8  | 4   | 4  |     | M4       | W684A-50ZZ | NTSBGT     |
|             |      | 13 | 5                 | 8  | 5   | 4  |     | M6       | 624ZZ      |            |
|             |      | 16 | 5                 | 8  | 5   | 5  |     | M6       | 625ZZ      |            |
|             |      | 19 | 8                 | 12 | 6   | 6  |     | M6       | 626ZZ      |            |
|             |      | 22 | 8                 | 12 | 7   | 8  |     | M6       | 608ZZ      |            |
|             |      | 26 | 8                 | 12 | 8   | 10 | 2.5 | M10      | 6000ZZ     |            |
|             |      | 30 | 8                 | 12 | 9   | 10 | 2   | M10      | 6200ZZ     |            |
|             |      | 32 | 12                | 20 | 9   | 15 | 2.5 | M10      | 6002ZZ     |            |
|             |      | 35 | 12                | 20 | 11  | 15 | 3   | M10      | 6202ZZ     |            |
|             |      | 37 | 12                | 20 | 9   | 20 | 2.5 | M10      | 6904ZZ     |            |
|             |      | 47 | 12                | 20 | 14  | 20 | 3   | M10      | 6204ZZ     |            |
|             |      | 52 | 12                | 20 | 15  | 25 | 3   | M10      | 6205ZZ     |            |



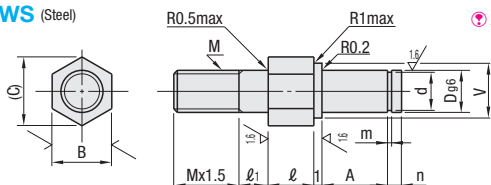
Part Number - L  
NTBG16 - 5

⚠For bearing detailed dimensions, see P989, 991.

## Urethane Molded Bearing Shafts



UWS (Steel)



⚠Applicable to the products on P.1151, 1152.



M Material: EN 1.0038 Equiv.

S Surface Treatment: Black Oxide

A Accessory: Nut, Retaining Ring-C Type

⚠Retaining Ring-E Type for No. 312~830.)

| Part Number | Type | No.  | Dg6 | A  | l | l1 | V   | d    | Tolerance | M  | B  | (C)  | m    | Dimension | Tolerance | n | Applicable Urethane Molded Bearing | Unit Price |
|-------------|------|------|-----|----|---|----|-----|------|-----------|----|----|------|------|-----------|-----------|---|------------------------------------|------------|
|             |      |      |     |    |   |    |     |      |           |    |    |      |      |           |           |   |                                    |            |
|             |      | 312  | 3   | 3  |   |    | 4   | 2.05 | +0.06     | 3  | 5  | 5.8  | 0.5  | 0.5       | +0.05     | 0 | UMBB                               |            |
|             |      | 413  | 4   | 4  |   | 1  | 5   | 3.05 | 0         | 4  | 7  | 8.1  |      |           | 0         | 2 | UMBBR                              |            |
|             |      | 416  | 4   | 4  |   | 1  | 6   |      |           | 4  | 7  | 8.1  |      |           | 0         | 2 | UMBBW                              |            |
|             |      | 516  | 5   | 5  | 5 | 2  | 6.9 | 4.05 | +0.075    | 5  | 8  | 9.2  | 0.7  |           |           | 3 | UMBSG                              |            |
|             |      | 520  | 5   | 5  |   | 2  | 7.5 |      |           | 5  | 8  | 9.2  |      |           |           | 3 | UMBSGW                             |            |
|             |      | 620  | 6   | 6  |   | 3  | 8   | 5.05 | 0         | 6  | 10 | 11.5 |      |           | 0         | 4 | UMBL                               |            |
|             |      | 628  | 6   | 6  |   | 3  | 9   |      |           | 6  | 10 | 11.5 |      |           | 0         | 4 | UMBLW                              |            |
|             |      | 828  | 8   | 7  |   | 4  | 12  | 7.1  | +0.09     | 8  | 14 | 16.2 | 0.9  |           |           | 3 | UMBD                               |            |
|             |      | 830  | 8   | 7  |   | 4  | 13  |      |           | 8  | 14 | 16.2 |      |           |           | 3 | UMBBR                              |            |
|             |      | 1030 | 10  | 9  |   | 5  | 16  | 9.6  | -0.09     | 10 | 19 | 21.9 | 1.15 |           |           | 4 | SUMBB                              |            |
|             |      | 1040 | 10  | 9  |   | 5  | 18  |      |           | 10 | 19 | 21.9 |      |           |           | 4 | SUMBSR                             |            |
|             |      | 1540 | 15  | 11 |   | 6  | 19  | 14.3 | -0.11     | 12 | 21 | 24   |      |           |           | 4 | UMSB                               |            |
|             |      | 2045 | 20  | 14 |   | 6  | 23  |      |           | 16 | 27 | 31.2 | 1.35 |           |           | 4 | UMSG                               |            |
|             |      | 2055 | 20  | 14 |   | 6  | 25  |      |           | 16 | 27 | 31.2 | 1.35 |           |           | 4 | UMSGW                              |            |

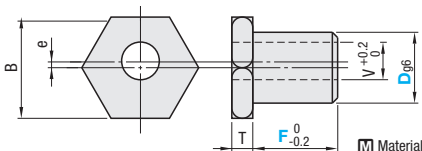


Ordering Example  
Part Number  
UWS312

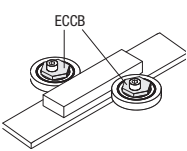
## Eccentric Bushings



ECCB



Example



M Material: EN 1.1191 Equiv.

| Part Number | Type | Dg6 | F Selection | Applicable Bearing | V | B  | T | e   | Unit Price |
|-------------|------|-----|-------------|--------------------|---|----|---|-----|------------|
|             |      |     |             |                    |   |    |   |     |            |
|             |      | 6   | 5           | 696ZZ              | 3 | 10 |   | 0.3 |            |
|             |      | 6   | 6           | 606ZZ, 626ZZ       |   |    |   |     |            |
|             |      | 8   | 6           | 698ZZ              | 4 | 12 |   | 0.5 |            |
|             |      | 8   | 7           | 608ZZ              |   |    |   |     |            |
|             |      | 8   | 8           | 628ZZ              |   |    |   |     |            |
|             |      | 10  | 6           | 6900ZZ             | 5 | 14 | 3 | 1   |            |
|             |      | 10  | 8           | 6000ZZ             |   |    |   |     |            |
|             |      | 10  | 9           | 6200ZZ             |   |    |   |     |            |
|             |      | 12  | 6           | 6901ZZ             | 6 | 17 |   | 1.2 |            |
|             |      | 12  | 8           | 6001ZZ             |   |    |   |     |            |
|             |      | 12  | 10          | 6201ZZ             |   |    |   |     |            |
|             |      | 15  | 7           | 6902ZZ             | 8 | 19 |   | 1.5 |            |
|             |      | 15  | 9           | 6002ZZ             |   |    |   |     |            |
|             |      | 15  | 11          | 6202ZZ             |   |    |   |     |            |



Ordering Example  
Part Number - F  
ECCB10 - 8

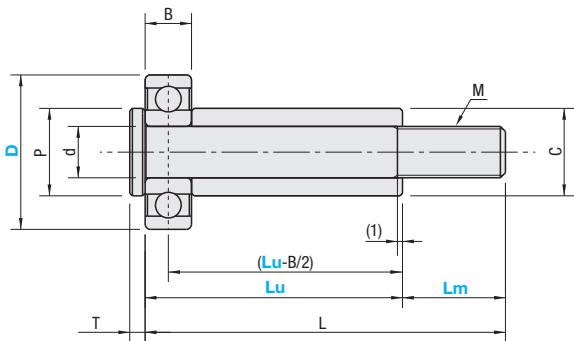
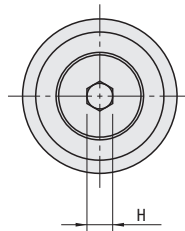
⚠For bearing detailed dimensions, see P989.

■Features: Rollers that use bearings. Spacer thickness can be specified from 1mm, and any mounting height can be selected.



RoHS10

⚠Bearing and Spacer can be shipped in an intact state by tightening the gap between O.D. of Pin and I.D. of Spacer. It can prevent falling or missing of parts and reduce time and effort during assembly.



| Type | Bearing          | Pin              | Spacer           | S | Surface Treatment |
|------|------------------|------------------|------------------|---|-------------------|
| BWP  | EN 1.3505 Equiv. | EN 1.1191 Equiv. | EN 1.0038 Equiv. |   | Black Oxide       |

| Part Number |    | 1mm Increment |       | L     | B | d  | M<br>(Coarse) | H<br>(Hex<br>Socket) | T | C=P | Bearing<br>Part No. | Unit Price   |
|-------------|----|---------------|-------|-------|---|----|---------------|----------------------|---|-----|---------------------|--------------|
| Type        | D  | Lu            | Lm    |       |   |    |               |                      |   |     |                     | 1 ~ 4 pc(s). |
| BWP         | 11 | 6~25          | 5~10  | Lu+Lm | 5 | 5  | M5            | 2.5                  | 2 | 8   | 685ZZ               |              |
|             | 13 | 5~25          | 5~10  |       | 4 | 5  | M5            | 2.5                  |   | 8   | 695ZZ               |              |
|             | 16 | 6~40          | 8~16  |       | 5 | 8  | M8            | 4                    | 3 | 11  | 688ZZ               |              |
|             | 19 | 7~40          | 8~16  |       | 6 | 8  | M8            | 4                    |   | 11  | 698ZZ               |              |
|             | 22 | 8~40          | 8~16  |       | 7 | 8  | M8            | 4                    |   | 11  | 608ZZ               |              |
|             | 26 | 9~50          | 10~20 |       | 8 | 10 | M10           | 5                    |   | 14  | 6000ZZ              |              |
|             | 30 | 10~50         | 10~20 |       | 9 | 10 | M10           | 5                    |   | 17  | 6200ZZ              |              |
|             |    |               |       |       |   |    |               |                      |   |     |                     |              |

⚠Regardless of the specified dimension, (Lm dimension + 1mm) is the threaded section.



Ordering Example  
Part Number - Lu - Lm  
BWP11 - 17 - 10



Example

Cable Carry Guide

