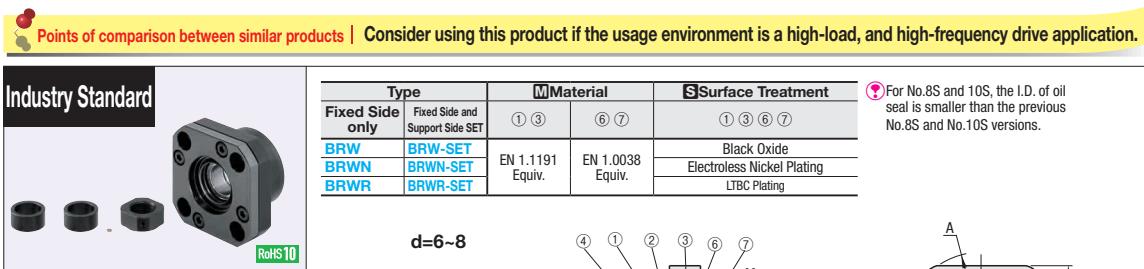
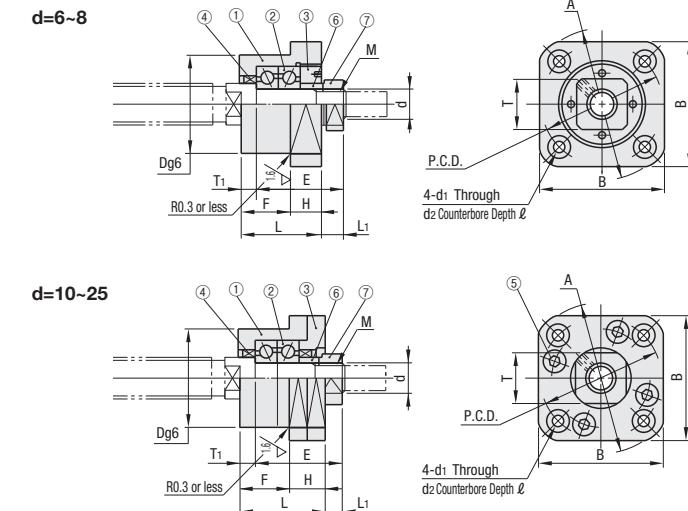


# Support Units - Fixed Side, Round Standard



| Type            | Material                        | Surface Treatment   |
|-----------------|---------------------------------|---|
| Fixed Side only | Fixed Side and Support Side SET | ① ③ ⑥ ⑦   |
| BRW             | BRW-SET                         | EN 1.1191 Equiv.  |
| BRWN            | BRWN-SET                        | EN 1.0038 Equiv.  |
| BRWR            | BRWR-SET                        | Black Oxide<br>Electroless Nickel Plating<br>LTBC Plating |

For No.8S and 10S, the I.D. of oil seal is smaller than the previous No.8S and No.10S versions.



| Component Details |   |          |
|-------------------|---|----------|
| Number            | Part Name   | Quantity |
| ①                 | Bearing Housing                                   | 1        |
| ②                 | Japanese standard angular contact bearing Grade 5 | 1 Set    |
| ③                 | Cover   | 1        |
| ④                 | Oil Seal  | 2        |
| ⑤                 | Hex Socket Head Cap Screw*                        | 4        |
| ⑥                 | Collar  | 2        |
| ⑦                 | Bearing Nut (with Set Piece)                      | 1        |

① No oil seal ④ is attached in No. 6.

① One oil seal ④ is attached in No. 6L/8S/8.

② Do not disassemble ①, ②, ③, ④ and ⑤, as they must remain assembled.

③ BSWR bearing is filled with low dust generation grease.

\* Screws ⑤ for BRWR/BRWN are of Stainless Steel Type.

④ When used together with a MISUMI ball screw, there is one support unit accessory collar spare.

| Part Number         | Support Side SET | d                                      | L  | H  | F  | E  | D    | A  | P.C.D.   | B  | L1 | T1  | d1         | d2         | ℓ        | M (Fine Thread) | T       | Oil Seal Applicable Shaft Dia. |            |
|---------------------|------------------|--|----|----|----|----|------|----|----------|----|----|-----|------------|------------|----------|-----------------|---------|--------------------------------|------------|
| Type                | No.              |  |    |    |    |    |      |    |          |    |    |     |            |            |          |                 |         |                                |            |
| BRW<br>BRWN<br>BRWR | 6L               | -SET<br>(Only when purchasing in sets) | 6  | 20 | 7  | 13 | 22.5 | 22 | 36<br>35 | 28 | 28 | 6   | 3.5<br>2.9 | 6.5<br>5.5 | 4<br>3.5 | M6x0.75         | 12      | 10                             |            |
|                     | 6                |  |    |    |    |    |      |    |          |    |    |     |            |            |          | 12              | -       |                                |            |
|                     | 8S               |  | 8  | 23 | 9  | 14 | 26   | 28 | 43       | 35 | 35 | 7   | 4          | 3.4        | 6.5      | 4               | M8x1.0  | 14                             | 10<br>11.5 |
|                     | 8                |  |    |    |    |    |      |    |          |    |    |     |            |            |          |                 |         |                                |            |
|                     | 10S              |  | 10 | 29 | 13 | 16 | 29.5 | 34 | 52       | 42 | 42 | 5.5 | 5          | 4.5        | 8        | 6               | M10x1.0 | 17                             | 12<br>14   |
|                     | 10               |  |    |    |    |    |      |    |          |    |    |     |            |            |          |                 |         |                                |            |
|                     | 12               |  | 12 | 32 | 15 | 17 | 38   | 40 | 63       | 50 | 52 | 12  | 6          | 5.5        | 9.5      |                 | M12x1.0 | 19                             | 15         |
|                     | 15               |  | 15 | 52 | 22 | 30 | 52   | 57 | 85       | 70 | 68 | 10  | 10         | 6.6        | 11       | 10              | M15x1.0 | 22                             | 20         |
|                     | 20               |  | 20 | 52 | 22 | 30 | 52   | 57 | 85       | 70 | 68 | 10  | 10         | 6.6        | 11       | 10              | M20x1.0 | 30                             | 25         |
|                     | 25               |  | 25 | 57 | 27 | 30 | 59   | 63 | 98       | 80 | 79 | 12  | 10         | 9          | 15       | 13              | M25x1.5 | 35                             | 31         |

Ordering Example: Part Number BRW15  
(Fixed-side single type)  
(SET part type)

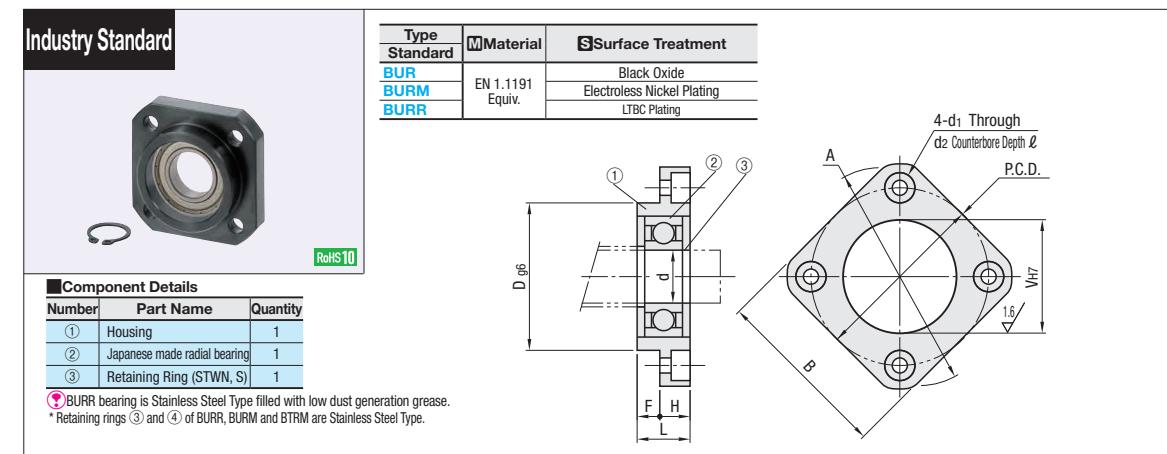
| Part Number | BRW | BRW-SET                     | BRWN                        | BRWN-SET                    | BRWR                        | BRWR-SET                    |
|-------------|-----|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Type        | No. | Unit Price<br>1 ~ 10 pc(s.) |
| BRW         | 6L  |                             |                             |                             |                             |                             |
| BRWN        | 6   |                             |                             |                             |                             |                             |
| BRWR        | 8S  |                             |                             |                             |                             |                             |
| BRW-SET     | 8   |                             |                             |                             |                             |                             |
| BRWN-SET    | 10S |                             |                             |                             |                             |                             |
| BRWR-SET    | 10  |                             |                             |                             |                             |                             |
| BRW-SET     | 12  |                             |                             |                             |                             |                             |
| BRWN-SET    | 15  |                             |                             |                             |                             |                             |
| BRWR-SET    | 20  |                             |                             |                             |                             |                             |
| BRW-SET     | 25  |                             |                             |                             |                             |                             |

For details of Bearings mounting interface accuracies of Support Units, see Details of Bearing Nut [P.759](#)

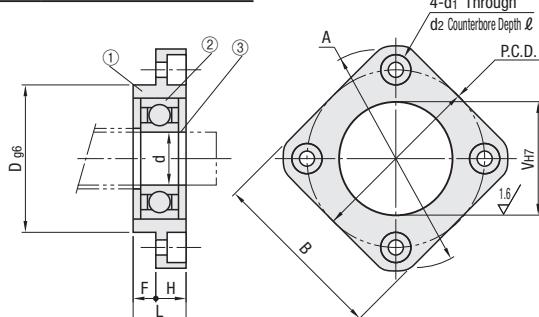
LTBC Plating products are filled with low dust generation grease for cleanrooms.

Store Accessories with care since they are required when assembling.

# Support Units - Support Side, Round <Standard> Standard



| Type Standard | Material         | Surface Treatment          |
|---------------|------------------|----------------------------|
| BUR           | EN 1.1191 Equiv. | Black Oxide                |
| BURM          |                  | Electroless Nickel Plating |
| BURR          |                  | LTBC Plating               |



| Part Number | d   | L  | H  | F  | D  | A  | P.C.D. | B  | V  | d1 | d2  | ℓ   | Bearing Type | Retaining Ring | BUR       | BURM | BURR |
|-------------|-----|----|----|----|----|----|--------|----|----|----|-----|-----|--------------|----------------|-----------|------|------|
| Type        | No. |    |    |    |    |    |        |    |    |    |     |     |              |                |           |      |      |
| BUR         | 6   | 6  | 10 | 6  | 4  | 22 | 36     | 28 | 28 | 17 | 3.4 | 6.5 | 4            | B606ZZ         | STWN, S6  |      |      |
| BURM        | 10  | 8  | 12 | 7  | 5  | 28 | 43     | 35 | 35 | 22 | 3.4 | 6.5 | 4            | B608ZZ         | STWN, S8  |      |      |
| BURR        | 12  | 10 | 15 | 7  | 8  | 34 | 52     | 42 | 42 | 26 | 4.5 | 8   | 4            | B6000ZZ        | STWN, S10 |      |      |
| BUR         | 15  | 15 | 17 | 9  | 8  | 40 | 63     | 50 | 52 | 32 | 5.5 | 9.5 | 5.5          | B6002ZZ        | STWN, S15 |      |      |
| BURM        | 20  | 20 | 20 | 11 | 9  | 57 | 85     | 70 | 68 | 47 | 6.6 | 11  | 6.5          | B6204ZZ        | STWN, S20 |      |      |
| BURR        | 25  | 25 | 24 | 14 | 10 | 63 | 98     | 80 | 79 | 52 | 9   | 14  | 8.5          | B6205ZZ        | STWN, S25 |      |      |



Part Number  
BUN15 (Support side, separate item)

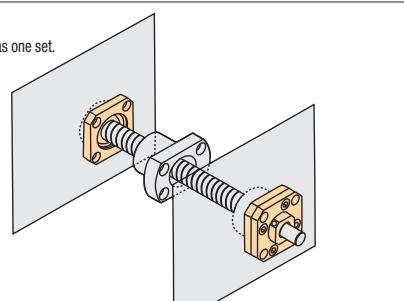
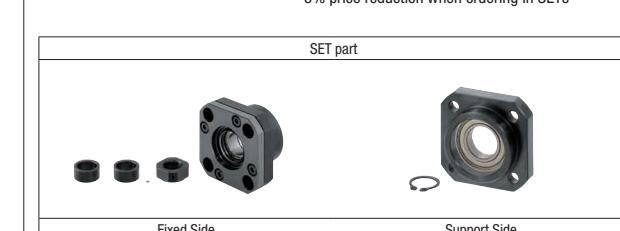
For details of Bearings mounting interface accuracies of Support Units, see Details of Bearing Nut [P.759](#)

LTBC Plating products are filled with low dust generation grease for cleanrooms.

Store Accessories with care since they are required when assembling.

## SET part overview

For customers using in conjunction with fixed side and support side  
We recommend a SET, which allows the fixed side and support side to be ordered as one set.  
5% price reduction when ordering in SETs



## <SET parts>

### Black Oxide

| SET Part Number | SET parts              |                          |
|-----------------|------------------------|--------------------------|
|                 | Fixed Side Part Number | Support Side Part Number |
| BRW6L-SET       | BRW6L                  | BUR6                     |
| BRW6-SET        | BRW6                   | BUR6                     |
| BRW8S-SET       | BRW8S                  | BUR6                     |
| BRW8-SET        | BRW8                   | BUR6                     |
| BRW10S-SET      | BRW10S                 | BUR10                    |
| BRW10-SET       | BRW10                  | BUR10                    |
| BRW12-SET       | BRW12                  | BUR12                    |
| BRW15-SET       | BRW15                  | BUR15                    |
| BRW20-SET       | BRW20                  | BUR20                    |
| BRW25-SET       | BRW25                  | BUR25                    |

### Electroless Nickel Plating

| SET Part Number | SET parts              |                          |
|-----------------|------------------------|--------------------------|
|                 | Fixed Side Part Number | Support Side Part Number |
| BRWN6L-SET      | BRWN6L                 | BURM6                    |
| BRWN6-SET       | BRWN6                  | BURM6                    |
| BRWN8S-SET      | BRWN8S                 | BURM6                    |
| BRWN8-SET       | BRWN8                  | BURM6                    |
| BRWN10S-SET     | BRWN10S                | BURM10                   |
| BRWN10-SET      | BRWN10                 | BURM10                   |
| BRWN12-SET      | BRWN12                 | BURM12                   |
| BRWN15-SET      | BRWN15                 | BURM15                   |
| BRWN20-SET      | BRWN20                 | BURM20                   |
| BRWN25-SET      | BRWN25                 | BURM25                   |

### LTBC Plating

| SET Part Number | SET parts              |                          |
|-----------------|------------------------|--------------------------|
|                 | Fixed Side Part Number | Support Side Part Number |
| BRWR6L-SET      | BRWR6L                 | BURR6                    |
| BRWR6-SET       | BRWR6                  | BURR6                    |
| BRWR8S-SET      | BRWR8S                 | BURR6                    |
| BRWR8-SET       | BRWR8                  | BURR6                    |
| BRWR10S-SET     | BRWR10S                | BURR10                   |
| BRWR10-SET      | BRWR10                 | BURR10                   |
| BRWR12-SET      | BRWR12                 | BURR12                   |
| BRWR15-         |                        |                          |