

# Standard Flanged

with Retaining Ring

# Bearings with Housings



| Type          |                |                 | Material |         | Surface Treatment                        |
|---------------|----------------|-----------------|----------|---------|------------------------------------------|
| Round Flanged | Square Flanged | Compact Flanged | Bearings | Housing | Housing                                  |
| BFF21         | BFF31          | BFF41           | Steel    | S45C    | Black Oxide                              |
| BFF22         | BFF32          | BFF42           |          | SUS304  | Fine Sand Blasting Electroless Nickeling |
| BFF23         | BFF33          | BFF43           |          | A2017   | Fine Sandblast Anodizing                 |

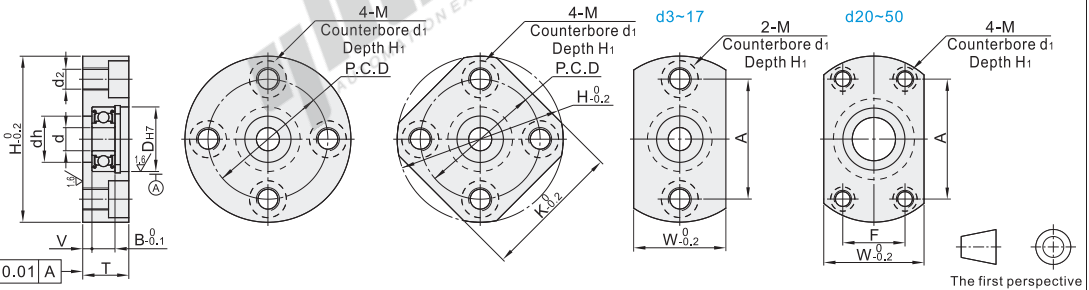
Due to the different production batches of products, nickel plated products may have fine sand blasting, which does not affect the size and function.

Bearing Accuracy: GB / T 307.1 Class 0  
Equivalent To: JIS B1514 Class 0

Round Flanged  
BFF21/22/23

Square Flanged  
BFF31/32/33

Compact Flanged  
BFF41/42/43



| Part Number                                |              |                        | d  | D <sub>H7</sub>                   | B  | H   | W   | T  | V | dh | P.C.D | K   | A   | F  | M (Coarse)<br>(d <sub>2</sub> ) | d <sub>1</sub> | H <sub>1</sub> |
|--------------------------------------------|--------------|------------------------|----|-----------------------------------|----|-----|-----|----|---|----|-------|-----|-----|----|---------------------------------|----------------|----------------|
| Code                                       | Bearings No. | Seal                   |    |                                   |    |     |     |    |   |    |       |     |     |    |                                 |                |                |
| Round Flanged<br>BFF21<br>BFF22<br>BFF23   | 623          |                        | 3  | 10 <sup>+0.015</sup> <sub>0</sub> | 4  | 33  | 16  | 9  |   | 7  | 24    | 27  | 24  |    | M4<br>(3.3)                     | 6.5            | 3.6            |
|                                            | 624          |                        | 4  | 13                                |    | 35  | 18  |    |   | 9  | 26    | 28  | 26  |    |                                 |                |                |
|                                            | 605          |                        | 5  | 14 <sup>+0.018</sup> <sub>0</sub> | 5  | 36  | 20  | 10 |   | 10 | 26    | 30  | 26  |    |                                 |                |                |
|                                            | 625          |                        |    | 16                                |    | 38  | 22  |    |   | 12 | 28    | 31  | 28  |    |                                 |                |                |
|                                            | 606          |                        | 6  | 17                                |    | 39  | 23  |    |   | 13 | 29    | 32  | 29  |    |                                 |                |                |
|                                            | 626          |                        |    | 19                                | 6  | 41  | 25  | 11 |   | 15 | 31    | 34  | 31  |    |                                 |                |                |
|                                            | 698          |                        |    |                                   |    |     |     |    |   |    |       |     |     |    |                                 |                |                |
|                                            | 608          |                        | 8  | 22                                | 7  | 45  | 29  | 12 |   | 18 | 35    | 36  | 35  |    |                                 |                |                |
|                                            | 628          |                        |    | 24                                | 8  | 47  | 32  | 13 |   | 20 | 37    | 37  | 37  |    |                                 |                |                |
|                                            | 6800         |                        |    | 19                                | 5  | 41  | 25  | 10 |   | 15 | 31    | 34  | 31  |    | M5<br>(4.3)                     | 8              | 4.6            |
|                                            | 6900         |                        | 10 | 22 <sup>+0.021</sup> <sub>0</sub> | 6  | 45  | 29  | 11 |   | 19 | 35    | 36  | 35  |    |                                 |                |                |
|                                            | 6000         |                        |    | 26                                | 8  | 50  | 34  | 13 |   | 22 | 40    | 39  | 40  |    |                                 |                |                |
| Square Flanged<br>BFF31<br>BFF32<br>BFF33  | 6200         |                        |    | 30                                | 9  | 54  | 38  | 14 |   | 24 | 44    | 42  | 44  | -  |                                 |                |                |
|                                            | 6801         |                        | 12 | 21                                | 5  | 44  | 29  | 10 |   | 17 | 34    | 35  | 34  |    |                                 |                |                |
|                                            | 6901         |                        |    | 24                                | 6  | 48  | 31  | 11 |   | 21 | 38    | 38  | 38  |    |                                 |                |                |
|                                            | 6001         |                        |    | 28                                | 8  | 52  | 36  | 13 |   | 24 | 42    | 40  | 42  |    |                                 |                |                |
|                                            | 6201         |                        |    | 32 <sup>+0.025</sup> <sub>0</sub> | 10 | 56  | 40  | 15 |   | 26 | 46    | 43  | 46  |    |                                 |                |                |
|                                            | 6802         | ZZ<br>Double Shielded  | 15 | 24 <sup>+0.021</sup> <sub>0</sub> | 5  | 47  | 32  | 10 | 2 | 20 | 37    | 37  | 37  |    |                                 |                |                |
|                                            | 6902         |                        |    | 28                                | 7  | 57  | 37  | 12 |   | 25 | 45    | 45  | 45  |    |                                 |                |                |
|                                            | 6002         |                        |    | 32 <sup>+0.025</sup> <sub>0</sub> | 9  | 60  | 40  | 14 |   | 28 | 48    | 46  | 48  |    |                                 |                |                |
|                                            | 6202         | ※ DD<br>Contact Sealed |    | 35 <sup>+0.021</sup> <sub>0</sub> | 11 | 64  | 44  | 17 |   | 29 | 52    | 49  | 52  |    | M6<br>(5.2)                     | 9.5            | 5.6            |
|                                            | 6903         |                        | 17 | 30                                | 7  | 60  | 38  | 12 |   | 27 | 48    | 46  | 48  |    |                                 |                |                |
|                                            | 6003         | Rubber Seal            |    | 35                                | 10 | 66  | 44  | 16 |   | 31 | 54    | 50  | 54  |    |                                 |                |                |
|                                            | 6203         |                        |    | 40                                | 12 | 72  | 50  | 18 |   | 34 | 60    | 54  | 60  |    |                                 |                |                |
| Compact Flanged<br>BFF41<br>BFF42<br>BFF43 | 6804         |                        |    | 32                                | 7  | 60  | 40  | 12 |   | 28 | 48    | 46  | 38  | 29 |                                 |                |                |
|                                            | 6904         |                        | 20 | 37 <sup>+0.025</sup> <sub>0</sub> | 9  | 69  | 47  | 15 |   | 34 | 56    | 54  | 51  | 24 |                                 |                |                |
|                                            | 6004         |                        |    | 42                                | 12 | 77  | 54  | 18 |   | 36 | 64    | 59  | 56  | 32 | M8<br>(6.8)                     | 11             | 6.7            |
|                                            | 6204         |                        |    | 47                                | 14 | 81  | 58  | 20 |   | 40 | 68    | 62  | 59  | 34 |                                 |                |                |
|                                            | 6805         |                        |    | 37                                | 7  | 69  | 47  | 13 |   | 34 | 56    | 54  | 51  | 24 |                                 |                |                |
|                                            | 6905         |                        | 25 | 42                                | 9  | 77  | 54  | 15 |   | 36 | 64    | 59  | 56  | 32 |                                 |                |                |
|                                            | 6005         |                        |    | 47                                | 12 | 88  | 58  | 18 |   | 41 | 72    | 67  | 63  | 36 | M10<br>(8.5)                    | 14             | 8.8            |
|                                            | 6205         |                        |    | 52 <sup>+0.030</sup> <sub>0</sub> | 15 | 94  | 64  | 22 |   | 45 | 78    | 72  | 68  | 39 | M8(6.8)                         | 11             | 6.7            |
|                                            | 6806         |                        | 30 | 42 <sup>+0.025</sup> <sub>0</sub> | 7  | 77  | 54  | 13 |   | 36 | 64    | 59  | 56  | 32 |                                 |                |                |
|                                            | 6906         |                        |    | 47                                | 9  | 88  | 58  | 15 |   | 41 | 72    | 67  | 63  | 36 |                                 |                |                |
|                                            | 6006         |                        |    | 55                                | 13 | 96  | 66  | 20 |   | 48 | 80    | 73  | 70  | 40 | M10<br>(8.5)                    | 14             | 8.8            |
|                                            | 6206         |                        |    | 62                                | 16 | 104 | 74  | 23 |   | 55 | 88    | 79  | 77  | 44 |                                 |                |                |
|                                            | 6007         |                        | 35 | 14 <sup>+0.030</sup> <sub>0</sub> | 14 | 104 | 74  | 21 |   |    |       |     |     |    |                                 |                |                |
|                                            | 6207         |                        |    | 72                                | 17 | 126 | 88  | 26 | 3 | 64 | 105   | 95  | 92  | 51 | M12(10.5)                       | 17.5           | 11.2           |
|                                            | 6008         |                        | 40 | 68                                | 15 | 114 | 82  | 23 | 2 | 60 | 96    | 86  | 80  | 54 | M10(8.5)                        | 14             | 8.8            |
|                                            | 6208         |                        |    | 80                                | 18 | 134 | 96  | 27 | 3 | 74 | 113   | 102 | 98  | 56 | M12<br>(10.5)                   | 17.5           | 11.2           |
|                                            | 6010         |                        | 50 | 16 <sup>+0.035</sup> <sub>0</sub> | 16 | 134 | 96  | 25 |   |    |       |     |     |    |                                 |                |                |
|                                            | 6210         | ZZ<br>Double Shielded  |    | 90                                | 20 | 147 | 110 | 31 | 4 | 83 | 126   |     | 104 | 72 |                                 |                |                |

※ Bearings with Rubber Seals DD are all made of Steel.

Please pay attention to the retaining ring. Retaining size refer to P1062.



| Discount price                  |
|---------------------------------|
| Per 1~9 10~                     |
| Price 100% Additional quotation |



| Delivery |
|----------|
| 6        |

Optional Processing

| Part Number    |              |      | Part Number         |              |      | Optional Processing Code |
|----------------|--------------|------|---------------------|--------------|------|--------------------------|
| Code           | Bearings No. | Seal | Code                | Bearings No. | Seal |                          |
| BFF21          | 6901         | ZZ   | BFF21               | 6901         | ZZ   |                          |
| BFF22          | 6001         | DD   | BFF22               | 6001         | DD   | NA                       |
| BFF22 — 6001DD |              |      | BFF22 — 6001DD — NA |              |      |                          |



| Alteration | Bearings, Retaining Rings Not Assembled                              |
|------------|----------------------------------------------------------------------|
| Code       | NA                                                                   |
| Spec.      | Bearings and retaining rings are shipped unassembled to the housing. |