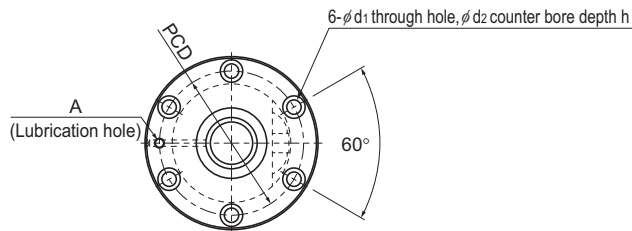
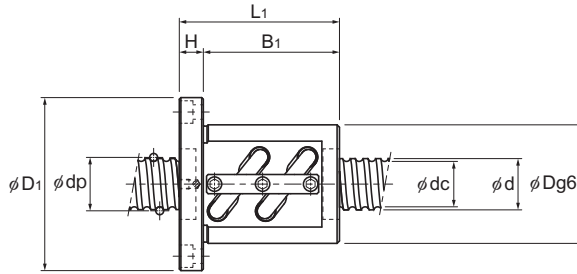


BIF-V Medium  
With Preload

|          |         |
|----------|---------|
| DN value | 130,000 |
|----------|---------|



| Model No.    | Screw<br>shaft outer<br>diameter | Lead | Ball center-<br>to-center<br>diameter | Thread<br>minor<br>diameter | No. of<br>loaded<br>circuits | Basic load rating |                 | Rigidity<br><br>K |
|--------------|----------------------------------|------|---------------------------------------|-----------------------------|------------------------------|-------------------|-----------------|-------------------|
|              |                                  |      |                                       |                             |                              | Ca                | C <sub>0a</sub> |                   |
|              | d                                | Ph   | dp                                    | dc                          | Rows X turns                 | kN                | kN              | N/μm              |
| BIF 2508V-5  | 25                               | 8    | 26.25                                 | 20.5                        | 1×2.5                        | 15.8              | 32.9            | 500               |
| BIF 2508V-7  | 25                               | 8    | 26.25                                 | 20.5                        | 1×3.5                        | 21.1              | 46              | 688               |
| BIF 2508V-10 | 25                               | 8    | 26.25                                 | 20.5                        | 2×2.5                        | 28.7              | 65.7            | 968               |
| BIF 2510V-5  | 25                               | 10   | 26.25                                 | 21.5                        | 1×2.5                        | 15.8              | 32.9            | 500               |
| BIF 2810V-3  | 28                               | 10   | 29.75                                 | 22.4                        | 1×1.5                        | 15.6              | 29.4            | 350               |
| BIF 3210V-5  | 32                               | 10   | 33.75                                 | 26.4                        | 1×2.5                        | 26                | 56.2            | 640               |
| BIF 3210V-7  | 32                               | 10   | 33.75                                 | 26.4                        | 1×3.5                        | 34.8              | 78.6            | 874               |
| BIF 3210V-10 | 32                               | 10   | 33.75                                 | 26.4                        | 2×2.5                        | 47.3              | 112.3           | 1,128             |
| BIF 3212V-5  | 32                               | 12   | 34                                    | 26.1                        | 1×2.5                        | 30.2              | 63.2            | 644               |
| BIF 3212V-7  | 32                               | 12   | 34                                    | 26.1                        | 1×3.5                        | 40.4              | 88.5            | 888               |
| BIF 3216V-5  | 32                               | 16   | 33.75                                 | 26.4                        | 1×2.5                        | 25.9              | 56.5            | 636               |
| BIF 3610V-5  | 36                               | 10   | 37.75                                 | 30.5                        | 1×2.5                        | 27.6              | 63.3            | 696               |
| BIF 3610V-7  | 36                               | 10   | 37.75                                 | 30.5                        | 1×3.5                        | 36.9              | 88.6            | 700               |
| BIF 3610V-10 | 36                               | 10   | 37.75                                 | 30.5                        | 2×2.5                        | 50.1              | 126.5           | 1,350             |
| BIF 3612V-5  | 36                               | 12   | 38                                    | 30.1                        | 1×2.5                        | 32.2              | 71.2            | 708               |
| BIF 3612V-7  | 36                               | 12   | 38                                    | 30.1                        | 1×3.5                        | 43                | 99.6            | 976               |
| BIF 3612V-10 | 36                               | 12   | 38                                    | 30.1                        | 2×2.5                        | 58.4              | 142.3           | 1,372             |
| BIF 3616V-5  | 36                               | 16   | 38                                    | 30.1                        | 1×2.5                        | 32.1              | 71.5            | 710               |
| BIF 3620V-3  | 36                               | 20   | 37.75                                 | 30.5                        | 1×1.5                        | 17.7              | 38.4            | 430               |
| BIF 4010V-5  | 40                               | 10   | 41.75                                 | 34.4                        | 1×2.5                        | 29                | 70.4            | 750               |
| BIF 4010V-7  | 40                               | 10   | 41.75                                 | 34.4                        | 1×3.5                        | 38.8              | 98.5            | 1,044             |
| BIF 4010V-10 | 40                               | 10   | 41.75                                 | 34.4                        | 2×2.5                        | 52.7              | 140.7           | 1,470             |
| BIF 4012V-5  | 40                               | 12   | 42                                    | 34.1                        | 1×2.5                        | 33.9              | 79.2            | 770               |
| BIF 4012V-7  | 40                               | 12   | 42                                    | 34.1                        | 1×3.5                        | 45.3              | 110.8           | 1,062             |
| BIF 4012V-10 | 40                               | 12   | 42                                    | 34.1                        | 2×2.5                        | 61.6              | 158.3           | 1,490             |
| BIF 4016V-5  | 40                               | 16   | 42                                    | 34.1                        | 1×2.5                        | 33.9              | 79.4            | 772               |
| BIF 4020V-5  | 40                               | 20   | 41.75                                 | 34.4                        | 1×2.5                        | 28.9              | 71              | 760               |



Unit: mm

|  | Nut dimensions    |                    |                   |    |                |     |                                   |                     | Screw shaft<br>inertial<br>moment/mm | Nut<br>mass | Shaft<br>mass | Permissible<br>rotational<br>speed |
|--|-------------------|--------------------|-------------------|----|----------------|-----|-----------------------------------|---------------------|--------------------------------------|-------------|---------------|------------------------------------|
|  | Outer<br>diameter | Flange<br>diameter | Overall<br>length |    |                |     |                                   | Lubrication<br>hole |                                      |             |               |                                    |
|  | D                 | D <sub>1</sub>     | L <sub>1</sub>    | H  | B <sub>1</sub> | PCD | d <sub>1</sub> ×d <sub>2</sub> ×h | A                   |                                      |             |               |                                    |
|  | 58                | 85                 | 82                | 15 | 67             | 71  | 6.6×11×6.5                        | M6                  | 3.01×10 <sup>-7</sup>                | 1.52        | 3.51          | 4,950                              |
|  | 58                | 85                 | 98                | 15 | 83             | 71  | 6.6×11×6.5                        | M6                  | 3.01×10 <sup>-7</sup>                | 1.5         | 3.51          | 4,950                              |
|  | 58                | 85                 | 130               | 15 | 115            | 71  | 6.6×11×6.5                        | M6                  | 3.01×10 <sup>-7</sup>                | 1.93        | 3.51          | 4,950                              |
|  | 58                | 85                 | 100               | 18 | 82             | 71  | 6.6×11×6.5                        | M6                  | 3.01×10 <sup>-7</sup>                | 1.31        | 3.5           | 4,950                              |
|  | 65                | 106                | 88                | 18 | 70             | 85  | 11×17.5×11                        | M6                  | 4.74×10 <sup>-7</sup>                | 2.33        | 4.15          | 4,360                              |
|  | 74                | 108                | 100               | 15 | 85             | 90  | 9×14×8.5                          | M6                  | 8.08×10 <sup>-7</sup>                | 2.92        | 5.53          | 3,850                              |
|  | 74                | 108                | 120               | 15 | 105            | 90  | 9×14×8.5                          | M6                  | 8.08×10 <sup>-7</sup>                | 3.1         | 5.53          | 3,850                              |
|  | 74                | 108                | 160               | 15 | 145            | 90  | 9×14×8.5                          | M6                  | 8.08×10 <sup>-7</sup>                | 4.27        | 5.53          | 3,850                              |
|  | 76                | 121                | 117               | 18 | 99             | 98  | 11×17.5×11                        | M6                  | 8.08×10 <sup>-7</sup>                | 3.7         | 5.7           | 3,820                              |
|  | 76                | 121                | 146               | 18 | 128            | 98  | 11×17.5×11                        | M6                  | 8.08×10 <sup>-7</sup>                | 3.7         | 5.7           | 3,820                              |
|  | 74                | 108                | 139               | 18 | 121            | 90  | 9×14×8.5                          | M6                  | 8.08×10 <sup>-7</sup>                | 3.81        | 5.82          | 3,850                              |
|  | 75                | 120                | 111               | 18 | 93             | 98  | 11×17.5×11                        | M6                  | 1.29×10 <sup>-6</sup>                | 3.45        | 7.1           | 3,440                              |
|  | 75                | 120                | 123               | 18 | 105            | 98  | 11×17.5×11                        | M6                  | 1.29×10 <sup>-6</sup>                | 3.82        | 7.1           | 3,440                              |
|  | 75                | 120                | 171               | 18 | 153            | 98  | 11×17.5×11                        | M6                  | 1.29×10 <sup>-6</sup>                | 4.84        | 7.1           | 3,440                              |
|  | 78                | 123                | 123               | 18 | 105            | 100 | 11×17.5×11                        | M6                  | 1.29×10 <sup>-6</sup>                | 4.69        | 7.99          | 3,420                              |
|  | 78                | 123                | 140               | 18 | 122            | 100 | 11×17.5×11                        | M6                  | 1.29×10 <sup>-6</sup>                | 4.34        | 7.99          | 3,420                              |
|  | 78                | 123                | 195               | 18 | 177            | 100 | 11×17.5×11                        | M6                  | 1.29×10 <sup>-6</sup>                | 5.67        | 7.99          | 3,420                              |
|  | 78                | 123                | 140               | 18 | 122            | 100 | 11×17.5×11                        | M6                  | 1.29×10 <sup>-6</sup>                | 4.31        | 7.99          | 3,420                              |
|  | 75                | 114                | 122               | 18 | 104            | 93  | 11×17.5×11                        | M6                  | 1.29×10 <sup>-6</sup>                | 3.4         | 7.54          | 3,440                              |
|  | 82                | 124                | 103               | 18 | 85             | 102 | 11×17.5×11                        | M6                  | 1.97×10 <sup>-6</sup>                | 3.61        | 8.87          | 3,110                              |
|  | 82                | 124                | 123               | 18 | 105            | 102 | 11×17.5×11                        | M6                  | 1.97×10 <sup>-6</sup>                | 3.97        | 8.87          | 3,110                              |
|  | 82                | 124                | 163               | 18 | 145            | 102 | 11×17.5×11                        | M6                  | 1.97×10 <sup>-6</sup>                | 5.33        | 8.87          | 3,110                              |
|  | 84                | 126                | 119               | 18 | 101            | 104 | 11×17.5×11                        | M6                  | 1.97×10 <sup>-6</sup>                | 4.36        | 8.83          | 3,090                              |
|  | 84                | 126                | 143               | 18 | 125            | 104 | 11×17.5×11                        | M6                  | 1.97×10 <sup>-6</sup>                | 4.92        | 8.83          | 3,090                              |
|  | 84                | 126                | 191               | 18 | 173            | 104 | 11×17.5×11                        | M6                  | 1.97×10 <sup>-6</sup>                | 6.47        | 8.83          | 3,090                              |
|  | 84                | 126                | 144               | 18 | 126            | 104 | 11×17.5×11                        | M6                  | 1.97×10 <sup>-6</sup>                | 4.9         | 9.09          | 3,090                              |
|  | 82                | 126                | 162               | 18 | 144            | 104 | 11×17.5×11                        | M6                  | 1.97×10 <sup>-6</sup>                | 5.17        | 9.37          | 3,110                              |