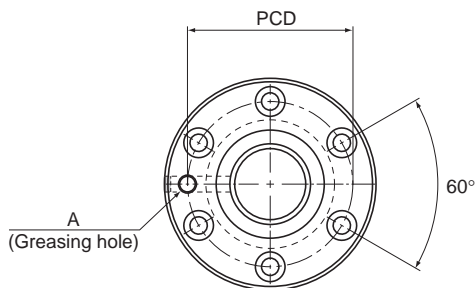


# JPF With Preload

|          |       |
|----------|-------|
| DN value | 50000 |
|----------|-------|



| Model No.  | Screw shaft outer diameter<br>d | Lead<br>Ph | Ball center-to-center diameter<br>dp | Thread minor diameter<br>dc | No. of loaded circuits<br>Rows X turns | Basic load rating    |                       | Outer diameter<br>D | Flange diameter<br>D <sub>1</sub> | Outer diameter<br>D <sub>2</sub> |
|------------|---------------------------------|------------|--------------------------------------|-----------------------------|--|----------------------|-----------------------|---------------------|-----------------------------------|----------------------------------|
|            |                                 |            |                                      |                             |  | C <sub>a</sub><br>kN | C <sub>0a</sub><br>kN |                     |                                   |                                  |
| JPF 1404-4 | 14                              | 4          | 14.4                                 | 11.5                        | 2×1                                    | 2.8                  | 5.1                   | 26                  | 46                                | 25.5                             |
| JPF 1405-4 |                                 | 5          | 14.5                                 | 11.2                        | 2×1                                    | 3.9                  | 8.6                   | 26                  | 46                                | 25.5                             |
| JPF 1605-4 | 16                              | 5          | 16.75                                | 13.5                        | 2×1                                    | 3.7                  | 8.2                   | 30                  | 49                                | 29.5                             |
| JPF 2005-6 | 20                              | 5          | 20.5                                 | 17.2                        | 3×1                                    | 6                    | 16                    | 34                  | 57                                | 33.5                             |
| JPF 2505-6 | 25                              | 5          | 25.5                                 | 22.2                        | 3×1                                    | 6.9                  | 20.8                  | 40                  | 66                                | 39.5                             |
| JPF 2510-4 |                                 | 10         | 26.8                                 | 20.2                        | 2×1                                    | 11.4                 | 24.5                  | 47                  | 72                                | 46.5                             |
| JPF 2805-6 | 28                              | 5          | 28.75                                | 25.2                        | 3×1                                    | 7.3                  | 23.9                  | 43                  | 69                                | 42.5                             |
| JPF 2806-6 |                                 | 6          | 28.5                                 | 25.2                        | 3×1                                    | 7.3                  | 23.9                  | 43                  | 69                                | 42.5                             |
| JPF 3210-6 | 32                              | 10         | 33.75                                | 27.2                        | 3×1                                    | 19.3                 | 49.9                  | 54                  | 88                                | 53.5                             |
| JPF 3610-6 | 36                              | 10         | 37                                   | 30.5                        | 3×1                                    | 20.6                 | 56.2                  | 58                  | 98                                | 57.5                             |
| JPF 4010-6 | 40                              | 10         | 41.75                                | 35.2                        | 3×1                                    | 22.2                 | 65.3                  | 62                  | 104                               | 61.5                             |

## Model number coding

**JPF1404-4 RR G0 +500L C7 T**

Model No.

Seal symbol (\*1)

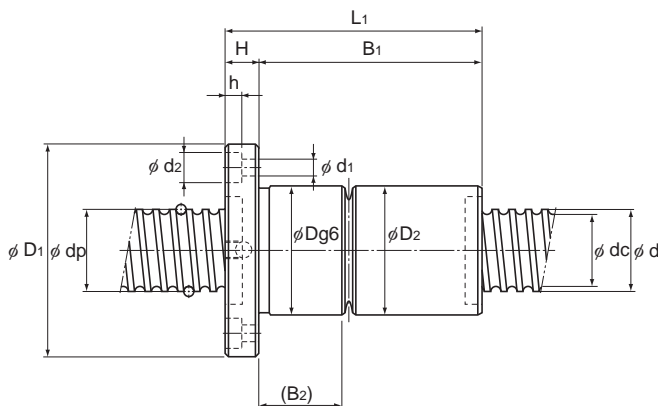
Overall screw shaft length (in mm)

Symbol for rolled shaft

Symbol for clearance in the axial direction

Accuracy symbol (\*2)

(\*1) See [A15-308](#). (\*2) See [A15-12](#).



Unit: mm

| Nut dimensions |       |     |       |       |             |                           |                       | Screw shaft inertial moment<br>kg·m <sup>2</sup> /mm | Nut mass<br>kg | Shaft mass<br>kg/m |
|----------------|-------|-----|-------|-------|-------------|---------------------------|-----------------------|--|----------------|--------------------|
| Overall length | $L_1$ | $H$ | $B_1$ | $B_2$ | PCD         | $d_1 \times d_2 \times h$ | Greasing hole<br>A    |  |                |                    |
| 52             | 10    | 42  | 16.5  | 36    | 4.5×8×4.5   | M6                        | 2.96×10 <sup>-8</sup> | 0.22   | 1              |                    |
| 60             | 10    | 50  | 20    | 36    | 4.5×8×4.5   | M6                        | 2.96×10 <sup>-8</sup> | 0.24   | 0.99           |                    |
| 60             | 10    | 50  | 19.5  | 39    | 4.5×8×4.5   | M6                        | 5.05×10 <sup>-8</sup> | 0.3  | 1.34           |                    |
| 80             | 11    | 69  | 26.5  | 45    | 5.5×9.5×5.5 | M6                        | 1.23×10 <sup>-7</sup> | 0.46   | 2.15           |                    |
| 80             | 11    | 69  | 26    | 51    | 5.5×9.5×5.5 | M6                        | 3.01×10 <sup>-7</sup> | 0.6  | 3.45           |                    |
| 112            | 12    | 100 | 42    | 58    | 6.6×11×6.5  | M6                        | 3.01×10 <sup>-7</sup> | 1.2  | 3.26           |                    |
| 80             | 12    | 68  | 25    | 55    | 6.6×11×6.5  | M6                        | 4.74×10 <sup>-7</sup> | 0.66   | 4.27           |                    |
| 90             | 12    | 78  | 35    | 55    | 6.6×11×6.5  | M6                        | 4.74×10 <sup>-7</sup> | 0.72   | 4.44           |                    |
| 135            | 15    | 120 | 53.5  | 70    | 9×14×8.5    | M6                        | 8.08×10 <sup>-7</sup> | 1.84   | 5.49           |                    |
| 138            | 18    | 120 | 53.5  | 77    | 11×17.5×11  | M6                        | 1.29×10 <sup>-6</sup> | 2.22   | 6.91           |                    |
| 138            | 18    | 120 | 53.5  | 82    | 11×17.5×11  | Rc1/8<br>(PT1/8)          | 1.97×10 <sup>-6</sup> | 2.42   | 8.81           |                    |

Note) The ball screw nut and the screw shaft of model JPF are not sold separately.

The basic load rating corresponds to the recommended loading direction.

If a load is applied in the opposite direction, the value must be 0.1×Ca or less during use.

Maximum Manufacturing Length of Model JPF by Model Number

Unit: mm

| Model No. | Overall screw shaft length |
|-----------|----------------------------|
| JPF1404-4 | 1000                       |
| JPF1405-4 |                            |
| JPF1605-4 |                            |
| JPF2005-6 | 2000                       |
| JPF2505-6 |                            |
| JPF2510-4 |                            |

| Model No. | Overall screw shaft length |
|-----------|----------------------------|
| JPF2805-6 | 2000                       |
| JPF2806-6 | 3000                       |
| JPF3210-6 |                            |
| JPF3610-6 |                            |
| JPF4010-6 |                            |