

# DF series

RoHS compliant

H type A type

Plastic bearing | One-sided flange

Inner ring

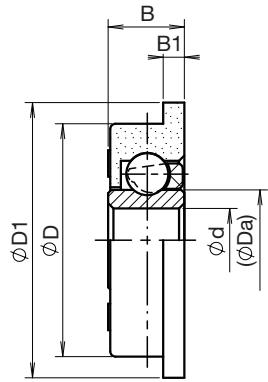
Riveting shaft

Model 1

Inner ring



DF-H

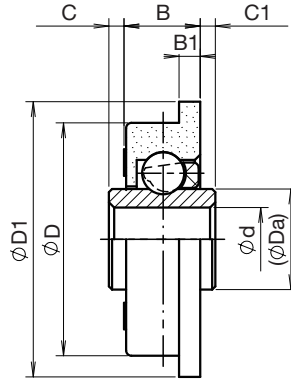


Model 2

Inner ring (Inner race width: Wide)



DF-H-W

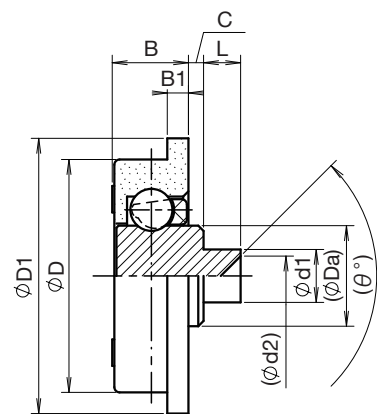


Model 3

Riveting shaft



DF-A



## Product information

### Feature classification

#### Outer race type

|          |                 |                  |
|----------|-----------------|------------------|
| Flat     | Convex round    | U-groove         |
| V-groove | Concave groove  | One-sided flange |
| Plastic  | Stainless steel | Steel            |
| Ceramic  | Rubber          |                  |

#### Inner race type

|             |                       |
|-------------|-----------------------|
| Inner ring  | Inner race width wide |
| Screw shaft | Riveting shaft        |

#### Feature

|                 |                |                     |
|-----------------|----------------|---------------------|
| Water resistant | Heat resistant | Chemical resistant  |
| Antistatic      | Non magnetic   | High speed rotation |
| High load       | Toughness      | Low noise           |

### Components of product name

| No | Item                                      | Symbol     | Meaning                                                                                            |
|----|-------------------------------------------|------------|----------------------------------------------------------------------------------------------------|
| 1  | Outer race material symbol                | D          | Polyacetal resin                                                                                   |
| 2  | Outer race shape symbol                   | F          | One-sided flange                                                                                   |
| 3  | Retainer or full ball type                | Omitted    | Retainer (Polypropylene)                                                                           |
| 4  | Outer race outer diameter                 | -          | (Numerical $\phi$ D dimension shown in drawing)                                                    |
| 5  | Ball material symbol                      | Omitted    | Carbon steel ball                                                                                  |
| 6  | Inner race shape symbol                   | H<br>A     | Inner ring<br>Riveting shaft                                                                       |
| 7  | Inner race material symbol                | Omitted    | Carbon steel (Plating)                                                                             |
| 8  | Bore and clearance dimension for mounting | -<br>W     | (Numerical $\phi$ d/C dimension shown in drawing)<br>Inner race width (Wide type) & C/C1 dimension |
| 9  | Additional information                    | MU/MC<br>3 | Plating *Including omitted<br>Numerical B1 dimension shown in drawing<br>*Including omitted        |

## Lineup

### DF-H

Inner ring

(mm)

| Model | D $\begin{smallmatrix} 0 \\ -0.1 \end{smallmatrix}$ | D1 $\pm 0.2$ | d $\begin{smallmatrix} +0.1 \\ 0 \end{smallmatrix}$ | B $\begin{smallmatrix} 0 \\ -0.2 \end{smallmatrix}$ | B1 $\pm 0.2$ | Da   | Load (N) <sup>*1</sup> | Load (N) <sup>*2</sup> | Weight (g) | JIS equivalent | Code   | Part No.    |
|-------|-----------------------------------------------------|--------------|-----------------------------------------------------|-----------------------------------------------------|--------------|------|------------------------|------------------------|------------|----------------|--------|-------------|
| 1     | 17                                                  | 19           | 6                                                   | 6                                                   | 1            | 8.2  | 49.0                   | 14.7                   | 2.8        | 606            | 062000 | DF-17-H6    |
| 1     | 19                                                  | 22           | 6                                                   | 7                                                   | 1.5          | 9.5  | 147.0                  | 29.4                   | 5.0        | -              | -      | DF-19-H6-MC |
| 1     | 22                                                  | 26           | 6                                                   | 7                                                   | 2            | 9.5  | 196.0                  | 39.2                   | 6.1        | 636            | 062021 | DF-22-H6-MU |
| 1     |                                                     | 26           | 8                                                   | 7                                                   | 2            | 11   | -                      | -                      | -          | 608            | -      | DF-22-H8    |
| 1     | 26                                                  | 32           | 6                                                   | 7                                                   | 2            | 9.5  | 196.0                  | 39.2                   | -          | -              | -      | DF-26-H6    |
| 1     | 30                                                  | 34           | 6                                                   | 8.5                                                 | 3            | 14.5 | 245.0                  | 58.8                   | -          | -              | -      | DF-30-H6-3  |
| 1     |                                                     | 34           | 10                                                  | 8.5                                                 | 3            | 14.5 | 245.0                  | 58.8                   | 13.5       | -              | 062061 | DF-30-H10-3 |

### DF-H-W

Inner ring (Inner race width: Wide)

(mm)

| Model | D $\begin{smallmatrix} 0 \\ -0.1 \end{smallmatrix}$ | D1 $\pm 0.2$ | d $\begin{smallmatrix} +0.1 \\ 0 \end{smallmatrix}$ | B $\begin{smallmatrix} 0 \\ -0.2 \end{smallmatrix}$ | B1 $\pm 0.2$ | C | C1 | Da   | Load (N) <sup>*1</sup> | Load (N) <sup>*2</sup> | Weight (g) | JIS equivalent | Code | Part No.   |
|-------|-----------------------------------------------------|--------------|-----------------------------------------------------|-----------------------------------------------------|--------------|---|----|------|------------------------|------------------------|------------|----------------|------|------------|
| 2     | 17                                                  | 19           | 6                                                   | 6                                                   | 1            | 1 | 1  | 8.2  | 49.0                   | 14.7                   | -          | 606            | -    | DF-17-H6W1 |
| 2     | 19                                                  | 22           | 6                                                   | 7                                                   | 1.5          | 1 | 1  | 9.5  | 147.0                  | 29.4                   | -          | -              | -    | DF-19-H6W1 |
| 2     | 22                                                  | 26           | 6                                                   | 7                                                   | 2            | 1 | 1  | 9.5  | 196.0                  | 39.2                   | -          | 636            | -    | DF-22-H6W1 |
| 2     | 26                                                  | 32           | 6                                                   | 7                                                   | 2            | 1 | 1  | 9.5  | 196.0                  | 39.2                   | -          | -              | -    | DF-26-H6W1 |
| 2     | 30                                                  | 34           | 6                                                   | 8.5                                                 | 3            | 1 | 1  | 14.5 | 245.0                  | 58.8                   | -          | -              | -    | DF-30-H6W1 |

### DF-A

Riveting shaft

(mm)

| Model | D $\begin{smallmatrix} 0 \\ -0.1 \end{smallmatrix}$ | D1 $\pm 0.2$ | d1 $\begin{smallmatrix} 0 \\ -0.1 \end{smallmatrix}$ | B $\begin{smallmatrix} 0 \\ -0.2 \end{smallmatrix}$ | B1 $\pm 0.2$ | C $\pm 0.4$ | L $\pm 0.2$ | d2 $\times$ $\theta$ | Da   | Load (N) <sup>*1</sup> | Weight (g) | Code | Part No.   |
|-------|-----------------------------------------------------|--------------|------------------------------------------------------|-----------------------------------------------------|--------------|-------------|-------------|----------------------|------|------------------------|------------|------|------------|
| 3     | 17                                                  | 19           | 5                                                    | 6                                                   | 1            | 0.5         | 3.5         | 4 $\times$ 120°      | 8.2  | 29.4                   | -          | -    | DF-17-A0.5 |
| 3     |                                                     | 19           | 5                                                    | 6                                                   | 1            | 1           | 3.5         | 4 $\times$ 120°      | 8.2  | 29.4                   | -          | -    | DF-17-A1   |
| 3     | 19                                                  | 22           | 5                                                    | 7                                                   | 1.5          | 0.5         | 3.5         | 4 $\times$ 120°      | 9.5  | 58.8                   | -          | -    | DF-19-A0.5 |
| 3     |                                                     | 22           | 5                                                    | 7                                                   | 1.5          | 1           | 3.5         | 4.6 $\times$ 90°     | 9.5  | 58.8                   | -          | -    | DF-19-A1   |
| 3     | 22                                                  | 26           | 5                                                    | 11                                                  | 2            | 1           | 3.5         | 4.6 $\times$ 90°     | 9.5  | 58.8                   | -          | -    | DF-22-A1   |
| 3     | 30                                                  | 34           | 6                                                    | 8.5                                                 | 3            | 1           | 3.5         | 5.5 $\times$ 120°    | 14.5 | 78.4                   | -          | -    | DF-30-A1   |

\*1: Allowable load during outer race rotation (300 min<sup>-1</sup>)

\*2: Allowable load during inner race rotation (300 min<sup>-1</sup>)

\*JIS notation is equivalent to JIS B 1512 (Rolling bearings - main dimension) and JIS B 1513 (Nominal numbers of rolling bearings), and this product does not conform to JIS standards.

\*All products are made-to-order only, but some may be in stock. Please contact your local distributor or trading company in case of urgent need.