



DFタイプ使用回数と圧縮比の関係

| 種類 | 使用回数 | 100万回    | 50万回     | 30万回     |
|----|------|----------|----------|----------|
| DF |      | 自由長Lの40% | 自由長Lの45% | 自由長Lの50% |

荷重計算のしかた  
ばね定数N/mm (kgf/mm) × φ (たわみ) = N (kgf) (荷重)  
《例》タイプ DF10×20 (30万回の場合)

$$\text{定数} N/\text{mm} \times \text{たわみ} = \text{荷重}$$

$$9.81 \times 10.0 = 98.1$$

● 注文方法 DF・10×20=100  
└タイプ└外径D└自由長L└数量

● 寸法および価格表

| カタログ No. | 外径 D        | 内径 d | 自由長 L        | 定数            |          | 30万      |            | 50万      |            | 100万     |            | 価格 | カタログ No. |
|----------|-------------|------|--------------|---------------|----------|----------|------------|----------|------------|----------|------------|----|----------|
|          |             |      |              | N/mm (kgf/mm) | (kgf/mm) | たわみ φ mm | 荷重 N (kgf) | たわみ φ mm | 荷重 N (kgf) | たわみ φ mm | 荷重 N (kgf) |    |          |
| DF 8×15  | 8           | 4    | 15           | 10.80 (1.10)  | 7.5      | 6.8      | 6.0        | 100      | DF 8×15    |          |            |    |          |
| 20       |             |      | 7.80 (0.80)  | 10.0          | 9.0      | 8.0      | 110        | 20       |            |          |            |    |          |
| 25       |             |      | 6.28 (0.64)  | 12.5          | 11.2     | 10.0     | 130        | 25       |            |          |            |    |          |
| 30       |             |      | 5.20 (0.53)  | 15.0          | 13.5     | 12.0     | 130        | 30       |            |          |            |    |          |
| 35       |             |      | 4.51 (0.46)  | 17.5          | 15.7     | 14.0     | 140        | 35       |            |          |            |    |          |
| 40       |             |      | 3.92 (0.40)  | 20.0          | 18.0     | 16.0     | 150        | 40       |            |          |            |    |          |
| 45       |             |      | 3.53 (0.36)  | 22.5          | 20.2     | 18.0     | 170        | 45       |            |          |            |    |          |
| 50       |             |      | 3.14 (0.32)  | 25.0          | 22.5     | 20.0     | 180        | 50       |            |          |            |    |          |
| 55       |             |      | 2.84 (0.29)  | 27.5          | 24.7     | 22.0     | 190        | 55       |            |          |            |    |          |
| 60       |             |      | 2.26 (0.23)  | 30.0          | 27.0     | 24.0     | 200        | 60       |            |          |            |    |          |
| 65       | 2.26 (0.23) | 32.5 | 29.3         | 26.0          | 210      | 65       |            |          |            |          |            |    |          |
| 70       | 2.10 (0.21) | 35.0 | 31.5         | 28.0          | 220      | 70       |            |          |            |          |            |    |          |
| DF10×20  | 10          | 5    | 20           | 9.81 (1.00)   | 10.0     | 9.0      | 8.0        | 110      | DF10×20    |          |            |    |          |
| 25       |             |      | 7.85 (0.80)  | 12.5          | 11.2     | 10.0     | 110        | 25       |            |          |            |    |          |
| 30       |             |      | 6.57 (0.67)  | 15.0          | 13.5     | 12.0     | 110        | 30       |            |          |            |    |          |
| 35       |             |      | 5.59 (0.57)  | 17.5          | 15.7     | 14.0     | 110        | 35       |            |          |            |    |          |
| 40       |             |      | 4.90 (0.50)  | 20.0          | 18.0     | 16.0     | 130        | 40       |            |          |            |    |          |
| 45       |             |      | 4.31 (0.44)  | 22.5          | 20.2     | 18.0     | 140        | 45       |            |          |            |    |          |
| 50       |             |      | 3.92 (0.40)  | 25.0          | 22.5     | 20.0     | 150        | 50       |            |          |            |    |          |
| 55       |             |      | 3.53 (0.36)  | 27.5          | 24.7     | 22.0     | 170        | 55       |            |          |            |    |          |
| 60       |             |      | 3.24 (0.33)  | 30.0          | 27.0     | 24.0     | 180        | 60       |            |          |            |    |          |
| 65       |             |      | 3.04 (0.31)  | 32.5          | 29.2     | 26.0     | 180        | 65       |            |          |            |    |          |
| 70       | 2.84 (0.29) | 35.0 | 31.5         | 28.0          | 180      | 70       |            |          |            |          |            |    |          |
| 75       | 2.65 (0.27) | 37.5 | 33.7         | 30.0          | 200      | 75       |            |          |            |          |            |    |          |
| 80       | 2.45 (0.25) | 40.0 | 36.0         | 32.0          | 230      | 80       |            |          |            |          |            |    |          |
| DF12×20  | 12          | 6    | 20           | 13.73 (1.40)  | 10.0     | 9.0      | 8.0        | 130      | DF12×20    |          |            |    |          |
| 25       |             |      | 10.98 (1.12) | 12.5          | 11.2     | 10.0     | 140        | 25       |            |          |            |    |          |
| 30       |             |      | 9.12 (0.93)  | 15.0          | 13.5     | 12.0     | 150        | 30       |            |          |            |    |          |
| 35       |             |      | 7.85 (0.80)  | 17.5          | 15.7     | 14.0     | 150        | 35       |            |          |            |    |          |
| 40       |             |      | 6.86 (0.70)  | 20.0          | 18.0     | 16.0     | 170        | 40       |            |          |            |    |          |
| 45       |             |      | 6.08 (0.62)  | 22.5          | 20.2     | 18.0     | 180        | 45       |            |          |            |    |          |
| 50       |             |      | 5.49 (0.56)  | 25.0          | 22.5     | 20.0     | 180        | 50       |            |          |            |    |          |
| 55       |             |      | 5.00 (0.51)  | 27.5          | 24.7     | 22.0     | 190        | 55       |            |          |            |    |          |
| 60       |             |      | 4.61 (0.47)  | 30.0          | 27.0     | 24.0     | 200        | 60       |            |          |            |    |          |
| 65       |             |      | 4.22 (0.43)  | 32.5          | 29.2     | 26.0     | 220        | 65       |            |          |            |    |          |
| 70       | 3.92 (0.40) | 35.0 | 31.5         | 28.0          | 230      | 70       |            |          |            |          |            |    |          |
| 75       | 3.63 (0.37) | 37.5 | 33.7         | 30.0          | 240      | 75       |            |          |            |          |            |    |          |
| 80       | 3.43 (0.35) | 40.0 | 36.0         | 32.0          | 270      | 80       |            |          |            |          |            |    |          |

スターダイスフリンゲ

スターダイスフリンゲ

※最大たわみでのご使用はお避け下さい。

● 寸法および価格表

| カタログ No. | 外径 D        | 内径 d | 自由長 L        | 定数            |          | 30万      |            | 50万      |            | 100万     |            | 価格 | カタログ No. |
|----------|-------------|------|--------------|---------------|----------|----------|------------|----------|------------|----------|------------|----|----------|
|          |             |      |              | N/mm (kgf/mm) | (kgf/mm) | たわみ φ mm | 荷重 N (kgf) | たわみ φ mm | 荷重 N (kgf) | たわみ φ mm | 荷重 N (kgf) |    |          |
| DF14×25  | 14          | 7    | 25           | 14.12 (1.44)  | 12.5     | 11.2     | 10.0       | 180      | DF14×25    |          |            |    |          |
| 30       |             |      | 11.77 (1.20) | 15.0          | 13.5     | 12.0     | 180        | 30       |            |          |            |    |          |
| 35       |             |      | 10.10 (1.03) | 17.5          | 15.7     | 14.0     | 190        | 35       |            |          |            |    |          |
| 40       |             |      | 8.83 (0.90)  | 20.0          | 18.0     | 16.0     | 200        | 40       |            |          |            |    |          |
| 45       |             |      | 7.85 (0.80)  | 22.5          | 20.2     | 18.0     | 220        | 45       |            |          |            |    |          |
| 50       |             |      | 7.06 (0.72)  | 25.0          | 22.5     | 20.0     | 230        | 50       |            |          |            |    |          |
| 55       |             |      | 6.37 (0.65)  | 27.5          | 24.7     | 22.0     | 240        | 55       |            |          |            |    |          |
| 60       |             |      | 5.88 (0.60)  | 30.0          | 27.0     | 24.0     | 250        | 60       |            |          |            |    |          |
| 65       |             |      | 5.39 (0.55)  | 32.5          | 29.2     | 26.0     | 270        | 65       |            |          |            |    |          |
| 70       |             |      | 5.00 (0.51)  | 35.0          | 31.5     | 28.0     | 270        | 70       |            |          |            |    |          |
| 75       | 4.71 (0.48) | 37.5 | 33.7         | 30.0          | 280      | 75       |            |          |            |          |            |    |          |
| 80       | 4.41 (0.45) | 40.0 | 36.0         | 32.0          | 290      | 80       |            |          |            |          |            |    |          |
| 90       | 3.92 (0.40) | 45.0 | 40.5         | 36.0          | 310      | 90       |            |          |            |          |            |    |          |
| DF16×25  | 16          | 8    | 25           | 16.48 (1.68)  | 12.5     | 11.2     | 10.0       | 180      | DF16×25    |          |            |    |          |
| 30       |             |      | 13.73 (1.40) | 15.0          | 13.5     | 12.0     | 190        | 30       |            |          |            |    |          |
| 35       |             |      | 11.77 (1.20) | 17.5          | 15.7     | 14.0     | 200        | 35       |            |          |            |    |          |
| 40       |             |      | 10.30 (1.05) | 20.0          | 18.0     | 16.0     | 220        | 40       |            |          |            |    |          |
| 45       |             |      | 9.22 (0.94)  | 22.5          | 20.2     | 18.0     | 230        | 45       |            |          |            |    |          |
| 50       |             |      | 8.24 (0.84)  | 25.0          | 22.5     | 20.0     | 240        | 50       |            |          |            |    |          |
| 55       |             |      | 7.55 (0.77)  | 27.5          | 24.7     | 22.0     | 260        | 55       |            |          |            |    |          |
| 60       |             |      | 6.86 (0.70)  | 30.0          | 27.0     | 24.0     | 280        | 60       |            |          |            |    |          |
| 65       |             |      | 6.37 (0.65)  | 32.5          | 29.2     | 26.0     | 290        | 65       |            |          |            |    |          |
| 70       |             |      | 5.88 (0.60)  | 35.0          | 31.5     | 28.0     | 300        | 70       |            |          |            |    |          |
| 75       | 5.49 (0.56) | 37.5 | 33.7         | 30.0          | 310      | 75       |            |          |            |          |            |    |          |
| 80       | 5.20 (0.53) | 40.0 | 36.0         | 32.0          | 320      | 80       |            |          |            |          |            |    |          |
| 90       | 4.61 (0.47) | 45.0 | 40.5         | 36.0          | 350      | 90       |            |          |            |          |            |    |          |
| 100      | 4.12 (0.42) | 50.0 | 45.0         | 40.0          | 400      | 100      |            |          |            |          |            |    |          |
| DF18×25  | 18          | 9    | 25           | 20.40 (2.08)  | 12.5     | 11.2     | 10.0       | 180      | DF18×25    |          |            |    |          |
| 30       |             |      | 17.06 (1.74) | 15.0          | 13.5     | 12.0     | 190        | 30       |            |          |            |    |          |
| 35       |             |      | 14.61 (1.49) | 17.5          | 15.7     | 14.0     | 200        | 35       |            |          |            |    |          |
| 40       |             |      | 12.75 (1.30) | 20.0          | 18.0     | 16.0     | 220        | 40       |            |          |            |    |          |
| 45       |             |      | 11.38 (1.16) | 22.5          | 20.2     | 18.0     | 230        | 45       |            |          |            |    |          |
| 50       |             |      | 10.20 (1.04) | 25.0          | 22.5     | 20.0     | 240        | 50       |            |          |            |    |          |
| 55       |             |      | 9.32 (0.95)  | 27.5          | 24.7     | 22.0     | 260        | 55       |            |          |            |    |          |
| 60       |             |      | 8.53 (0.87)  | 30.0          | 27.0     | 24.0     | 280        | 60       |            |          |            |    |          |
| 65       |             |      | 7.85 (0.80)  | 32.5          | 29.2     | 26.0     | 290        | 65       |            |          |            |    |          |
| 70       |             |      | 7.26 (0.74)  | 35.0          | 31.5     | 28.0     | 300        | 70       |            |          |            |    |          |
| 75       | 6.86 (0.70) | 37.5 | 33.7         | 30.0          | 310      | 75       |            |          |            |          |            |    |          |
| 80       | 6.37 (0.65) | 40.0 | 36.0         | 32.0          | 320      | 80       |            |          |            |          |            |    |          |
| 90       | 5.69 (0.58) | 45.0 | 40.5         | 36.0          | 350      | 90       |            |          |            |          |            |    |          |
| 100      | 5.10 (0.52) | 50.0 | 45.0         | 40.0          | 400      | 100      |            |          |            |          |            |    |          |
| DF20×25  | 20          | 11   | 25           | 25.11 (2.56)  | 12.5     | 11.2     | 10.0       | 180      | DF20×25    |          |            |    |          |
| 30       |             |      | 20.89 (2.13) | 15.0          | 13.5     | 12.0     | 190        | 30       |            |          |            |    |          |
| 35       |             |      | 17.95 (1.83) | 17.5          | 15.7     | 14.0     | 210        | 35       |            |          |            |    |          |
| 40       |             |      | 15.69 (1.60) | 20.0          | 18.0     | 16.0     | 220        | 40       |            |          |            |    |          |
| 45       |             |      | 13.93 (1.42) | 22.5          | 20.2     | 18.0     | 240        | 45       |            |          |            |    |          |
| 50       |             |      | 12.55 (1.28) | 25.0          | 22.5     | 20.0     | 250        | 50       |            |          |            |    |          |
| 55       |             |      | 11.38 (1.16) | 27.5          | 24.7     | 22.0     | 260        | 55       |            |          |            |    |          |
| 60       |             |      | 10.49 (1.07) | 30.0          | 27.0     | 24.0     | 280        | 60       |            |          |            |    |          |
| 65       |             |      | 9.61 (0.98)  | 32.5          | 29.2     | 26.0     | 290        | 65       |            |          |            |    |          |
| 70       |             |      | 8.92 (0.91)  | 35.0          | 31.5     | 28.0     | 300        | 70       |            |          |            |    |          |
| 75       | 8.34 (0.85) | 37.5 | 33.7         | 30.0          | 310      | 75       |            |          |            |          |            |    |          |
| 80       | 7.85 (0.80) | 40.0 | 36.0         | 32.0          | 320      | 80       |            |          |            |          |            |    |          |
| 90       | 6.96 (0.71) | 45.0 | 40.5         | 36.0          | 350      | 90       |            |          |            |          |            |    |          |
| 100      | 6.28 (0.64) | 50.0 | 45.0         | 40.0          | 380      | 100      |            |          |            |          |            |    |          |
| 125      | 5.00 (0.51) | 62.5 | 56.2         | 50.0          | 400      | 125      |            |          |            |          |            |    |          |

円/本

●寸法および価格表

円/本

| カタログ No. | 外径 D | 内径 d | 自由長 L  | 定数    |          | 30万     |           | 50万     |           | 100万    |           | 価格 | カタログ No. |
|----------|------|------|--------|-------|----------|---------|-----------|---------|-----------|---------|-----------|----|----------|
|          |      |      |        | N/mm  | (kgf/mm) | たわみ 0mm | 荷重 N(kgf) | たわみ 0mm | 荷重 N(kgf) | たわみ 0mm | 荷重 N(kgf) |    |          |
| DF25×25  | 25   | 13.5 | 25     | 39.23 | (4.00)   | 12.5    | 11.2      | 10.0    | 190       | DF25×25 |           |    |          |
| 30       |      |      | 30     | 32.66 | (3.33)   | 15.0    | 13.5      | 12.0    | 200       | 30      |           |    |          |
| 35       |      |      | 35     | 27.95 | (2.85)   | 17.5    | 15.7      | 14.0    | 210       | 35      |           |    |          |
| 40       |      |      | 40     | 24.52 | (2.50)   | 20.0    | 18.0      | 16.0    | 230       | 40      |           |    |          |
| 45       |      |      | 45     | 21.77 | (2.22)   | 22.5    | 20.2      | 18.0    | 240       | 45      |           |    |          |
| 50       |      |      | 50     | 19.61 | (2.00)   | 25.0    | 22.5      | 20.0    | 250       | 50      |           |    |          |
| 55       |      |      | 55     | 17.85 | (1.82)   | 27.5    | 24.7      | 22.0    | 260       | 55      |           |    |          |
| 60       |      |      | 60     | 16.38 | (1.67)   | 30.0    | 27.0      | 24.0    | 280       | 60      |           |    |          |
| 65       |      |      | 65     | 15.10 | (1.54)   | 32.5    | 29.2      | 26.0    | 290       | 65      |           |    |          |
| 70       |      |      | 70     | 14.02 | (1.43)   | 35.0    | 31.5      | 28.0    | 300       | 70      |           |    |          |
| 75       |      |      | 75     | 13.04 | (1.33)   | 37.5    | 33.7      | 30.0    | 310       | 75      |           |    |          |
| 80       |      |      | 80     | 12.26 | (1.25)   | 40.0    | 36.0      | 32.0    | 320       | 80      |           |    |          |
| 90       |      |      | 90     | 10.89 | (1.11)   | 45.0    | 40.5      | 36.0    | 350       | 90      |           |    |          |
| 100      |      |      | 100    | 9.81  | (1.00)   | 50.0    | 45.0      | 40.0    | 380       | 100     |           |    |          |
| 125      |      |      | 125    | 7.85  | (0.80)   | 62.5    | 56.2      | 50.0    | 430       | 125     |           |    |          |
| 150      | 150  | 6.57 | (0.67) | 75.0  | 67.5     | 60.0    | 480       | 150     |           |         |           |    |          |
| DF27×25  | 27   | 13.5 | 25     | 47.07 | (4.80)   | 12.5    | 11.2      | 10.0    | 180       | DF27×25 |           |    |          |
| 30       |      |      | 30     | 39.23 | (4.00)   | 15.0    | 13.5      | 12.0    | 190       | 30      |           |    |          |
| 35       |      |      | 35     | 33.54 | (3.42)   | 17.5    | 15.7      | 14.0    | 200       | 35      |           |    |          |
| 40       |      |      | 40     | 29.42 | (3.00)   | 20.0    | 18.0      | 16.0    | 210       | 40      |           |    |          |
| 45       |      |      | 45     | 26.18 | (2.67)   | 22.5    | 20.2      | 18.0    | 220       | 45      |           |    |          |
| 50       |      |      | 50     | 23.54 | (2.40)   | 25.0    | 22.5      | 20.0    | 230       | 50      |           |    |          |
| 55       |      |      | 55     | 21.38 | (2.18)   | 27.5    | 24.7      | 22.0    | 240       | 55      |           |    |          |
| 60       |      |      | 60     | 19.61 | (2.00)   | 30.0    | 27.0      | 24.0    | 250       | 60      |           |    |          |
| 65       |      |      | 65     | 18.14 | (1.85)   | 32.5    | 29.2      | 26.0    | 280       | 65      |           |    |          |
| 70       |      |      | 70     | 16.77 | (1.71)   | 35.0    | 31.5      | 28.0    | 290       | 70      |           |    |          |
| 75       |      |      | 75     | 15.69 | (1.60)   | 37.5    | 33.7      | 30.0    | 300       | 75      |           |    |          |
| 80       |      |      | 80     | 14.71 | (1.50)   | 40.0    | 36.0      | 32.0    | 310       | 80      |           |    |          |
| 90       |      |      | 90     | 13.04 | (1.33)   | 45.0    | 40.5      | 36.0    | 330       | 90      |           |    |          |
| 100      |      |      | 100    | 11.77 | (1.20)   | 50.0    | 45.0      | 40.0    | 350       | 100     |           |    |          |
| 125      |      |      | 125    | 9.41  | (0.96)   | 62.5    | 56.2      | 50.0    | 410       | 125     |           |    |          |
| 150      | 150  | 7.85 | (0.80) | 75.0  | 67.5     | 60.0    | 460       | 150     |           |         |           |    |          |
| 175      | 175  | 6.67 | (0.68) | 87.5  | 78.7     | 70.0    | 530       | 175     |           |         |           |    |          |
| DF30×25  | 30   | 16   | 25     | 56.88 | (5.80)   | 12.5    | 11.2      | 10.0    | 190       | DF30×25 |           |    |          |
| 30       |      |      | 30     | 47.07 | (4.80)   | 15.0    | 13.5      | 12.0    | 200       | 30      |           |    |          |
| 35       |      |      | 35     | 40.50 | (4.13)   | 17.5    | 15.7      | 14.0    | 220       | 35      |           |    |          |
| 40       |      |      | 40     | 35.30 | (3.60)   | 20.0    | 18.0      | 16.0    | 230       | 40      |           |    |          |
| 45       |      |      | 45     | 31.48 | (3.21)   | 22.5    | 20.2      | 18.0    | 250       | 45      |           |    |          |
| 50       |      |      | 50     | 28.24 | (2.88)   | 25.0    | 22.5      | 20.0    | 260       | 50      |           |    |          |
| 55       |      |      | 55     | 25.79 | (2.63)   | 27.5    | 24.7      | 22.0    | 270       | 55      |           |    |          |
| 60       |      |      | 60     | 23.54 | (2.40)   | 30.0    | 27.0      | 24.0    | 280       | 60      |           |    |          |
| 65       |      |      | 65     | 21.77 | (2.22)   | 32.5    | 29.2      | 26.0    | 290       | 65      |           |    |          |
| 70       |      |      | 70     | 20.10 | (2.05)   | 35.0    | 31.5      | 28.0    | 300       | 70      |           |    |          |
| 75       |      |      | 75     | 18.93 | (1.93)   | 37.5    | 33.7      | 30.0    | 320       | 75      |           |    |          |
| 80       |      |      | 80     | 17.65 | (1.80)   | 40.0    | 36.0      | 32.0    | 330       | 80      |           |    |          |
| 90       |      |      | 90     | 15.69 | (1.60)   | 45.0    | 40.5      | 36.0    | 350       | 90      |           |    |          |
| 100      |      |      | 100    | 14.12 | (1.44)   | 50.0    | 45.0      | 40.0    | 380       | 100     |           |    |          |
| 125      |      |      | 125    | 11.28 | (1.15)   | 62.5    | 56.2      | 50.0    | 450       | 125     |           |    |          |
| 150      | 150  | 9.41 | (0.96) | 75.0  | 67.5     | 60.0    | 510       | 150     |           |         |           |    |          |
| 175      | 175  | 8.04 | (0.82) | 87.5  | 78.7     | 70.0    | 580       | 175     |           |         |           |    |          |
| 200      | 200  | 6.90 | (0.70) | 100.0 | 90.0     | 80.0    | 620       | 200     |           |         |           |    |          |

スターダイスフリンゲ

●寸法および価格表

円/本

| カタログ No. | 外径 D | 内径 d  | 自由長 L  | 定数    |          | 30万     |           | 50万     |           | 100万    |           | 価格 | カタログ No. |
|----------|------|-------|--------|-------|----------|---------|-----------|---------|-----------|---------|-----------|----|----------|
|          |      |       |        | N/mm  | (kgf/mm) | たわみ 0mm | 荷重 N(kgf) | たわみ 0mm | 荷重 N(kgf) | たわみ 0mm | 荷重 N(kgf) |    |          |
| DF35×40  | 35   | 19    | 40     | 48.05 | (4.90)   | 20.0    | 18.0      | 16.0    | 250       | DF35×40 |           |    |          |
| 45       |      |       | 45     | 42.76 | (4.36)   | 22.5    | 20.2      | 18.0    | 260       | 45      |           |    |          |
| 50       |      |       | 50     | 38.44 | (3.92)   | 25.0    | 22.5      | 20.0    | 280       | 50      |           |    |          |
| 55       |      |       | 55     | 34.91 | (3.56)   | 27.5    | 24.7      | 22.0    | 300       | 55      |           |    |          |
| 60       |      |       | 60     | 31.97 | (3.26)   | 30.0    | 27.0      | 24.0    | 310       | 60      |           |    |          |
| 65       |      |       | 65     | 29.62 | (3.02)   | 32.5    | 29.2      | 26.0    | 340       | 65      |           |    |          |
| 70       |      |       | 70     | 27.46 | (2.80)   | 35.0    | 31.5      | 28.0    | 350       | 70      |           |    |          |
| 75       |      |       | 75     | 25.60 | (2.61)   | 37.5    | 33.7      | 30.0    | 370       | 75      |           |    |          |
| 80       |      |       | 80     | 24.03 | (2.45)   | 40.0    | 36.0      | 32.0    | 390       | 80      |           |    |          |
| 90       |      |       | 90     | 21.28 | (2.17)   | 45.0    | 40.5      | 36.0    | 420       | 90      |           |    |          |
| 100      |      |       | 100    | 19.22 | (1.96)   | 50.0    | 45.0      | 40.0    | 460       | 100     |           |    |          |
| 125      |      |       | 125    | 15.10 | (1.54)   | 62.5    | 56.2      | 50.0    | 540       | 125     |           |    |          |
| 150      |      |       | 150    | 12.75 | (1.30)   | 75.0    | 67.5      | 60.0    | 640       | 150     |           |    |          |
| 175      |      |       | 175    | 10.98 | (1.12)   | 87.5    | 78.7      | 70.0    | 730       | 175     |           |    |          |
| 200      |      |       | 200    | 9.61  | (0.98)   | 100.0   | 90.0      | 80.0    | 820       | 200     |           |    |          |
| DF40×40  | 40   | 22    | 40     | 62.80 | (6.40)   | 20.0    | 18.0      | 16.0    | 300       | DF40×40 |           |    |          |
| 45       |      |       | 45     | 55.60 | (5.67)   | 22.5    | 20.2      | 18.0    | 300       | 45      |           |    |          |
| 50       |      |       | 50     | 50.21 | (5.12)   | 25.0    | 22.5      | 20.0    | 320       | 50      |           |    |          |
| 55       |      |       | 55     | 45.50 | (4.60)   | 27.5    | 24.8      | 22.0    | 350       | 55      |           |    |          |
| 60       |      |       | 60     | 41.78 | (4.26)   | 30.0    | 27.0      | 24.0    | 370       | 60      |           |    |          |
| 65       |      |       | 65     | 38.50 | (3.92)   | 32.5    | 29.3      | 26.0    | 400       | 65      |           |    |          |
| 70       |      |       | 70     | 35.79 | (3.65)   | 35.0    | 31.5      | 28.0    | 420       | 70      |           |    |          |
| 75       |      |       | 75     | 33.30 | (3.40)   | 37.5    | 33.8      | 30.0    | 440       | 75      |           |    |          |
| 80       |      |       | 80     | 31.38 | (3.20)   | 40.0    | 36.0      | 32.0    | 470       | 80      |           |    |          |
| 90       |      |       | 90     | 27.85 | (2.84)   | 45.0    | 40.5      | 36.0    | 530       | 90      |           |    |          |
| 100      |      |       | 100    | 25.11 | (2.56)   | 50.0    | 45.0      | 40.0    | 580       | 100     |           |    |          |
| 125      |      |       | 125    | 20.01 | (2.04)   | 62.5    | 56.2      | 50.0    | 700       | 125     |           |    |          |
| 150      |      |       | 150    | 16.67 | (1.70)   | 75.0    | 67.5      | 60.0    | 820       | 150     |           |    |          |
| 175      |      |       | 175    | 14.32 | (1.46)   | 87.5    | 78.7      | 70.0    | 940       | 175     |           |    |          |
| 200      |      |       | 200    | 12.55 | (1.28)   | 100.0   | 90.0      | 80.0    | 1,060     | 200     |           |    |          |
| 225      | 225  | 11.20 | (1.10) | 112.5 | 101.3    | 90.0    | 1,140     | 225     |           |         |           |    |          |
| 250      | 250  | 10.00 | (1.02) | 125.0 | 112.5    | 100.0   | 1,310     | 250     |           |         |           |    |          |
| 275      | 275  | 9.10  | (0.90) | 137.5 | 123.8    | 110.0   | 1,500     | 275     |           |         |           |    |          |
| 300      | 300  | 8.30  | (0.85) | 150.0 | 135.0    | 120.0   | 1,620     | 300     |           |         |           |    |          |
| DF50×50  | 50   | 27.5  | 50     | 78.50 | (8.00)   | 25.0    | 22.5      | 20.0    | 520       | DF50×50 |           |    |          |
| 55       |      |       | 55     | 71.30 | (7.30)   | 27.5    | 24.8      | 22.0    | 520       | 55      |           |    |          |
| 60       |      |       | 60     | 65.31 | (6.66)   | 30.0    | 27.0      | 24.0    | 560       | 60      |           |    |          |
| 65       |      |       | 65     | 60.30 | (6.20)   | 32.5    | 29.3      | 26.0    | 580       | 65      |           |    |          |
| 70       |      |       | 70     | 56.00 | (5.71)   | 35.0    | 31.5      | 28.0    | 630       | 70      |           |    |          |
| 75       |      |       | 75     | 52.30 | (5.30)   | 37.5    | 33.8      | 30.0    | 640       | 75      |           |    |          |
| 80       |      |       | 80     | 49.03 | (5.00)   | 40.0    | 36.0      | 32.0    | 700       | 80      |           |    |          |
| 90       |      |       | 90     | 43.54 | (4.44)   | 45.0    | 40.5      | 36.0    | 770       | 90      |           |    |          |
| 100      |      |       | 100    | 39.23 | (4.00)   | 50.0    | 45.0      | 40.0    | 840       | 100     |           |    |          |
| 125      |      |       | 125    | 31.38 | (3.20)   | 62.5    | 56.2      | 50.0    | 1,010     | 125     |           |    |          |
| 150      |      |       | 150    | 26.09 | (2.66)   | 75.0    | 67.5      | 60.0    | 1,100     | 150     |           |    |          |
| 175      |      |       | 175    | 22.36 | (2.28)   | 87.5    | 78.7      | 70.0    | 1,350     | 175     |           |    |          |
| 200      |      |       | 200    | 19.61 | (2.00)   | 100.0   | 90.0      | 80.0    | 1,530     | 200     |           |    |          |
| 225      |      |       | 225    | 17.40 | (1.80)   | 112.5   | 101.3     | 90.0    | 1,640     | 225     |           |    |          |
| 250      |      |       | 250    | 15.69 | (1.60)   | 125.0   | 112.5     | 100.0   | 1,870     | 250     |           |    |          |
| 275      | 275  | 14.30 | (1.50) | 137.5 | 123.8    | 110.0   | 1,970     | 275     |           |         |           |    |          |
| 300      | 300  | 13.04 | (1.33) | 150.0 | 135.0    | 120.0   | 2,210     | 300     |           |         |           |    |          |
| 350      | 350  | 11.20 | (1.14) | 175.0 | 157.5    | 140.0   | 2,560     | 350     |           |         |           |    |          |
| 400      | 400  | 9.80  | (1.00) | 200.0 | 180.0    | 160.0   | 2,820     | 400     |           |         |           |    |          |
| 450      | 450  | 8.70  | (0.89) | 225.0 | 202.5    | 180.0   | 3,040     | 450     |           |         |           |    |          |
| 500      | 500  | 7.80  | (0.80) | 250.0 | 225.0    | 200.0   | 3,280     | 500     |           |         |           |    |          |

スターダイスフリンゲ

● 寸法および価格表

円/本

| カタログ<br>No. | 外径<br>D | 内径<br>d | 自由長<br>L | 定数    |          | 30万         |               | 50万         |               | 100万        |               | 価格    | カタログ<br>No. |
|-------------|---------|---------|----------|-------|----------|-------------|---------------|-------------|---------------|-------------|---------------|-------|-------------|
|             |         |         |          | N/mm  | (kgf/mm) | たわみ<br>φ mm | 荷重<br>N(kgf)  | たわみ<br>φ mm | 荷重<br>N(kgf)  | たわみ<br>φ mm | 荷重<br>N(kgf)  |       |             |
| DF60×60     | 60      | 33      | 60       | 94.01 | (9.60)   | 30.0        | 2824<br>{288} | 27.0        | 2540<br>{259} | 24.0        | 2256<br>{230} | 910   | DF60×60     |
| 70          |         |         | 70       | 80.40 | (8.20)   | 35.0        |               | 31.5        |               | 28.0        |               | 950   | 70          |
| 80          |         |         | 80       | 70.60 | (7.20)   | 40.0        |               | 36.0        |               | 32.0        |               | 970   | 80          |
| 90          |         |         | 90       | 62.76 | (6.40)   | 45.0        |               | 40.5        |               | 36.0        |               | 1,060 | 90          |
| 100         |         |         | 100      | 56.49 | (5.76)   | 50.0        |               | 45.0        |               | 40.0        |               | 1,170 | 100         |
| 125         |         |         | 125      | 45.11 | (4.60)   | 62.5        |               | 56.2        |               | 50.0        |               | 1,420 | 125         |
| 150         |         |         | 150      | 37.66 | (3.84)   | 75.0        |               | 67.5        |               | 60.0        |               | 1,670 | 150         |
| 175         |         |         | 175      | 32.26 | (3.29)   | 87.5        |               | 78.7        |               | 70.0        |               | 1,930 | 175         |
| 200         |         |         | 200      | 28.24 | (2.88)   | 100.0       |               | 90.0        |               | 80.0        |               | 2,180 | 200         |
| 250         |         |         | 250      | 22.56 | (2.30)   | 125.0       |               | 112.5       |               | 100.0       |               | 2,630 | 250         |
| 300         |         |         | 300      | 18.83 | (1.92)   | 150.0       |               | 135.0       |               | 120.0       |               | 3,090 | 300         |
| 350         |         |         | 350      | 16.10 | (1.64)   | 175.0       |               | 157.5       |               | 140.0       |               | 3,510 | 350         |
| 400         |         |         | 400      | 14.10 | (1.44)   | 200.0       |               | 180.0       |               | 160.0       |               | 3,890 | 400         |
| 450         |         |         | 450      | 12.60 | (1.28)   | 225.0       |               | 202.5       |               | 180.0       |               | 4,200 | 450         |
| 500         |         |         | 500      | 11.30 | (1.15)   | 250.0       |               | 225.0       |               | 200.0       |               | 4,530 | 500         |