

SERVOFLEX SFC SA2 - Datasheet

SINGLE ELEMENT TYPE

Specifications

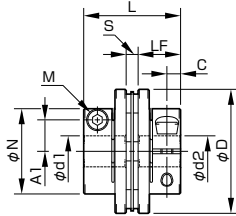
| Model | Shape type | Rated torque [N·m] | Misalignment | | | Max. rotation speed [min ⁻¹] | Torsional stiffness [N·m/rad] | Axial stiffness [N/mm] | Moment of inertia [kg·m ²] | Mass [kg] |
|------------|------------|--------------------|---------------|-------------|------------|--|-------------------------------|------------------------|--|-----------|
| | | | Parallel [mm] | Angular [°] | Axial [mm] | | | | | |
| SFC-002SA2 | C | 0.25 | 0.01 | 0.5 | ± 0.04 | 10000 | 190 | 34 | 0.06 × 10 ⁻⁶ | 0.003 |
| SFC-005SA2 | C | 0.6 | 0.02 | 0.5 | ± 0.05 | 10000 | 500 | 140 | 0.26 × 10 ⁻⁶ | 0.007 |
| SFC-010SA2 | C | 1 | 0.02 | 1 | ± 0.1 | 10000 | 1400 | 140 | 0.58 × 10 ⁻⁶ | 0.011 |
| SFC-020SA2 | C | 2 | 0.02 | 1 | ± 0.15 | 10000 | 3700 | 64 | 2.39 × 10 ⁻⁶ | 0.025 |
| SFC-025SA2 | C | 4 | 0.02 | 1 | ± 0.19 | 10000 | 5600 | 60 | 3.67 × 10 ⁻⁶ | 0.029 |
| SFC-030SA2 | A | 5 | 0.02 | 1 | ± 0.2 | 10000 | 8000 | 64 | 4.07 × 10 ⁻⁶ | 0.034 |
| | B | | | | | | | | 6.09 × 10 ⁻⁶ | 0.041 |
| | C | | | | | | | | 8.20 × 10 ⁻⁶ | 0.049 |
| SFC-035SA2 | C | 10 | 0.02 | 1 | ± 0.25 | 10000 | 18000 | 112 | 18.44 × 10 ⁻⁶ | 0.082 |
| SFC-040SA2 | A | 12 | 0.02 | 1 | ± 0.3 | 10000 | 20000 | 80 | 16.71 × 10 ⁻⁶ | 0.077 |
| | B | | | | | | | | 22.55 × 10 ⁻⁶ | 0.085 |
| | C | | | | | | | | 29.25 × 10 ⁻⁶ | 0.100 |
| SFC-050SA2 | A | 25 | 0.02 | 1 | ± 0.4 | 10000 | 32000 | 48 | 55.71 × 10 ⁻⁶ | 0.159 |
| | B | | | | | | | | 76.26 × 10 ⁻⁶ | 0.177 |
| | C | | | | | | | | 99.03 × 10 ⁻⁶ | 0.206 |
| SFC-055SA2 | C | 40 | 0.02 | 1 | ± 0.42 | 10000 | 50000 | 43 | 188.0 × 10 ⁻⁶ | 0.314 |
| SFC-060SA2 | A | 60 | 0.02 | 1 | ± 0.45 | 10000 | 70000 | 76.4 | 145.9 × 10 ⁻⁶ | 0.283 |
| | B | | | | | | | | 205.0 × 10 ⁻⁶ | 0.326 |
| | C | | | | | | | | 268.6 × 10 ⁻⁶ | 0.385 |
| SFC-080SA2 | C | 100 | 0.02 | 1 | ± 0.55 | 10000 | 140000 | 128 | 710.6 × 10 ⁻⁶ | 0.708 |
| SFC-090SA2 | C | 180 | 0.02 | 1 | ± 0.65 | 10000 | 100000 | 108 | 1236 × 10 ⁻⁶ | 0.946 |
| SFC-100SA2 | C | 250 | 0.02 | 1 | ± 0.74 | 10000 | 120000 | 111 | 1891 × 10 ⁻⁶ | 1.202 |

• The rated torque of the coupling may be limited for bore diameters.
• Higher rpm possible with balancing.

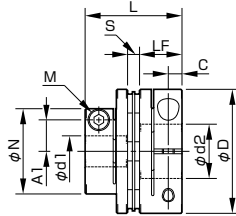
• Torsional stiffness values given are measured values for the flexible element alone.
• The moment of inertia and mass are specified for the maximum bore diameter.

Dimensions

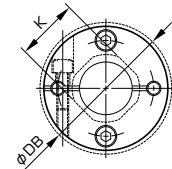
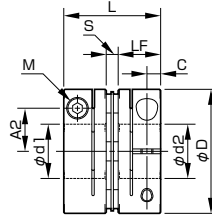
■ TYPE A



■ TYPE B



■ TYPE C



| Model | Shape type | d1 [mm] | | d2 [mm] | | D [mm] | DB [mm] | N [mm] | L [mm] | LF [mm] | S [mm] | A1 [mm] | A2 [mm] | C [mm] | K [mm] | M Quantity - Nominal dia. | Tightening torque [N·m] |
|------------|------------|---------|------|---------|------|--------|---------|--------|--------|---------|--------|---------|---------|--------|--------|---------------------------|-------------------------|
| | | Min. | Max. | Min. | Max. | | | | | | | | | | | | |
| SFC-002SA2 | C | 3 | 5 | 3 | 5 | 12 | 12.4 | — | 12.35 | 5.9 | 0.55 | — | 3.7 | 1.9 | 5.6 | 1-M1.6 | 0.23 ~ 0.28 |
| SFC-005SA2 | C | 3 | 6 | 3 | 6 | 16 | — | — | 16.7 | 7.85 | 1 | — | 4.8 | 2.5 | 6.5 | 1-M2 | 0.4 ~ 0.5 |
| SFC-010SA2 | C | 3 | 8 | 3 | 8 | 19 | — | — | 19.35 | 9.15 | 1.05 | — | 5.8 (6) | 3.15 | 8.5 | 1-M2.5 (M2) | 1.0 ~ 1.1 (0.4 ~ 0.5) |
| SFC-020SA2 | C | 4 | 10 | 4 | 11 | 26 | — | — | 23.15 | 10.75 | 1.65 | — | 9.5 | 3.3 | 10.6 | 1-M2.5 | 1.0 ~ 1.1 |
| SFC-025SA2 | C | 5 | 14 | 5 | 14 | 29 | — | — | 23.4 | 10.75 | 1.9 | — | 11 | 3.3 | 14.5 | 1-M2.5 | 1.0 ~ 1.1 |
| SFC-030SA2 | A | 5 | 10 | 5 | 10 | 34 | — | 21.6 | 27.3 | 12.4 | 2.5 | 8 | — | 3.75 | 14.5 | 1-M3 | 1.5 ~ 1.9 |
| | B | 5 | 10 | Over 10 | 16 | | | | | | | | 12.5 | | | | |
| | C | Over 10 | 14 | Over 10 | 16 | | | | | | | | 12.5 | | | | |
| SFC-035SA2 | C | 6 | 16 | 6 | 19 | 39 | — | — | 34 | 15.5 | 3 | — | 14 | 4.5 | 17 | 1-M4 | 3.4 ~ 4.1 |
| SFC-040SA2 | A | 8 | 15 | 8 | 15 | 44 | — | 29.6 | 34 | 15.5 | 3 | 11 | — | 4.5 | 19.5 | 1-M4 | 3.4 ~ 4.1 |
| | B | 8 | 15 | Over 15 | 24 | | | | | | | | 17 | | | | |
| | C | Over 15 | 19 | Over 15 | 24 | | | | | | | | 17 | | | | |
| SFC-050SA2 | A | 8 | 19 | 8 | 19 | 56 | — | 38 | 43.4 | 20.5 | 2.4 | 14.5 | 22 | 6 | 26 | 1-M5 | 7.0 ~ 8.5 |
| | B | 8 | 19 | Over 19 | 30 | | | | | | | | 22 | | | | |
| | C | Over 19 | 25 | Over 19 | 30 | | | | | | | | 22 | | | | |
| SFC-055SA2 | C | 10 | 30 | 10 | 30 | 63 | — | — | 50.6 | 24 | 2.6 | — | 23 | 7.75 | 31 | 1-M6 | 14 ~ 15 |
| SFC-060SA2 | A | 11 | 24 | 11 | 24 | 68 | — | 46 | 53.6 | 25.2 | 3.2 | 17.5 | — | 7.75 | 31 | 1-M6 | 14 ~ 15 |
| | B | 11 | 24 | Over 24 | 35 | | | | | | | | 26.5 | | | | |
| | C | Over 24 | 30 | Over 24 | 35 | | | | | | | | 26.5 | | | | |
| SFC-080SA2 | C | 18 | 35 | 18 | 40 | 82 | — | — | 68 | 30 | 8 | — | 28 | 9 | 38 | 1-M8 | 27 ~ 30 |
| SFC-090SA2 | C | 25 | 40 | 25 | 45 | 94 | — | — | 68.3 | 30 | 8.3 | — | 34 | 9 | 42 | 1-M8 | 27 ~ 30 |
| SFC-100SA2 | C | 32 | 45 | 32 | 45 | 104 | — | — | 69.8 | 30 | 9.8 | — | 39 | 9 | 48 | 1-M8 | 27 ~ 30 |

• φDB = Interference radius of the screw head
• The figures in parentheses () for the SFC-010 are the values when d1 or d2 is ø8 mm.

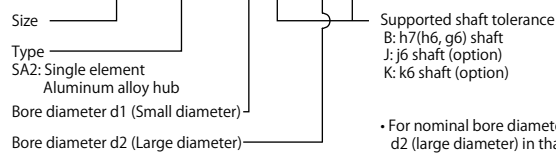
Standard Bore Diameter

| | | Standard (option) bore diameter, d1/d2 [mm] and related rated torque [N-m] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--------------|--|---|-----|-----|------|---|-----|---|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|---|
| Nominal bore diameter | | 3 | 4 | 5 | 6 | 6.35 | 7 | 8 | 9 | 9.525 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 22 | 24 | 25 | 28 | 30 | 32 | 35 | 38 | 40 | 42 | 45 | | | |
| Shaft tolerance | h7 (h6 - g6) | B | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| | j6 (Option) | J | | | | | | | | | | | | | | | | | | ○ | ○ | ○ | ○ | ○ | | | | | | | | | | | |
| | k6 (Option) | K | | | | | | ○ | ○ | | | | | | ○ | | ○ | | | ○ | ○ | ○ | | | | | ○ | | ○ | | | | | | |
| Supported bore diameter for each model | SFC-002SA2 | d1 | ● | ● | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | d2 | ● | ● | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SFC-005SA2 | d1 | ● | ● | ● | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | d2 | ● | ● | ● | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SFC-010SA2 | d1 | ● | ● | ● | ● | ● | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | d2 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | SFC-020SA2 | d1 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | | | | | | | | | | | | | |
| | d2 | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | | | | | | | | | | | | |
| | SFC-025SA2 | d1 | | | 2.1 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | | | | | | | | | |
| | d2 | | | 2.1 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | | | | | | | | |
| | SFC-030SA2 | d1 | | | 2.8 | 3.4 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | | | | | | | | |
| | d2 | | | 2.8 | 3.4 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | | | | | | | |
| | SFC-035SA2 | d1 | | | | 5 | 5 | 6.6 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | | | | | | |
| | d2 | | | | | 5 | 5 | 6.6 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | | | | |
| | SFC-040SA2 | d1 | | | | | | | 9 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | | | |
| | d2 | | | | | | | | 9 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | SFC-050SA2 | d1 | | | | | | | | 18 | 20 | 22 | 22 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | d2 | | | | | | | | | 18 | 20 | 22 | 22 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | SFC-055SA2 | d1 | | | | | | | | | | | | 31 | 34 | 36 | 38 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| | d2 | | | | | | | | | | | | | 31 | 34 | 36 | 38 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| SFC-060SA2 | d1 | | | | | | | | | | | | | 50 | 51 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| d2 | | | | | | | | | | | | | | 50 | 51 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |
| SFC-080SA2 | d1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SFC-090SA2 | d1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SFC-100SA2 | d1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

- The shaft tolerance for standard bore diameter is h7 (h6 or g6): designation B. However, for a bore diameter of ø35, the shaft tolerance is $\begin{matrix} +0.010 \\ -0.025 \end{matrix}$.
- Shaft tolerances j6/k6: designations J/K are optional, and are only supported for bore diameters marked with ○.
- Bore diameters marked with ● or numbers are supported as the standard bore diameters.
- Bore diameters whose fields contain numbers are restricted in their rated torque by the holding power of the shaft connection component because the bore diameter is small. The numbers indicate the rated torque [N-m].

How to Place an Order

SFC-025SA2-10B-14K



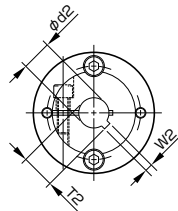
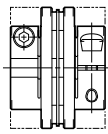
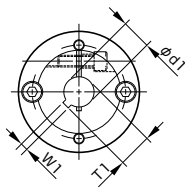
- For nominal bore diameter, select d1 (small diameter) – d2 (large diameter) in that order.
- If d1=d2 (same diameters), select B, J, and K in that order.

Options For keyway milling applications

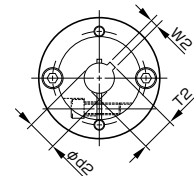
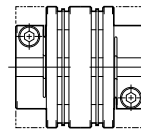
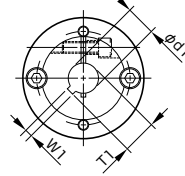
If you are using a keyed shaft, we can mill a keyway in the clamping hub to your specifications.

Keyway Milling Standard

SFC(SA2)



SFC(DA2)



| H9 keyway width standards | | | | | | | | | | JS9 keyway width standards | | | | | | | | | | | | | | | | | |
|-------------------------------------|-----------------|----|----|---------------------------|----------------------------------|-----------------------------------|-------------------------------------|-----------------|----|----------------------------|---------------------------|-----------------------------------|-----------------------------------|-------------------------------------|-----------------|----|----|---------------------------|------------------------------|-----------------------------------|----|----|----|----|----|-------------|-----------------------------------|
| Nominal bore dia. Shaft diameter | Shaft tolerance | | | Bore dia. d1 · d2 [mm] | Keyway width W1 · W2 [mm] | Keyway height T1 · T2 [mm] | Nominal bore dia. Shaft diameter | Shaft tolerance | | | Bore dia. d1 · d2 [mm] | Keyway width W1 · W2 [mm] | Keyway height T1 · T2 [mm] | Nominal bore dia. Shaft diameter | Shaft tolerance | | | Bore dia. d1 · d2 [mm] | Keyway width W1 · W2 [mm] | Keyway height T1 · T2 [mm] | | | | | | | |
| | h7 | j6 | k6 | | | | | h7 | j6 | k6 | | | | | h7 | j6 | k6 | | | | h7 | j6 | k6 | | | | |
| 8 | BH | — | KH | 8 | 3 ^{+0.025} ₀ | 9.4 ^{+0.3} ₀ | 20 | BH | — | — | 20 | 6 ^{+0.030} ₀ | 22.8 ^{+0.3} ₀ | 8 | BJ | — | KJ | 8 | 3 ± 0.0125 | 9.4 ^{+0.3} ₀ | 20 | BJ | — | — | 20 | 6 ± 0.0150 | 22.8 ^{+0.3} ₀ |
| 9 | BH | — | KH | 9 | 3 ^{+0.025} ₀ | 10.4 ^{+0.3} ₀ | 22 | BH | JH | KH | 22 | 6 ^{+0.030} ₀ | 24.8 ^{+0.3} ₀ | 9 | BJ | — | KJ | 9 | 3 ± 0.0125 | 10.4 ^{+0.3} ₀ | 22 | BJ | JJ | KJ | 22 | 6 ± 0.0150 | 24.8 ^{+0.3} ₀ |
| 10 | BH | — | — | 10 | 3 ^{+0.025} ₀ | 11.4 ^{+0.3} ₀ | 24 | BH | JH | KH | 24 | 8 ^{+0.036} ₀ | 27.3 ^{+0.3} ₀ | 10 | BJ | — | — | 10 | 3 ± 0.0125 | 11.4 ^{+0.3} ₀ | 24 | BJ | JJ | KJ | 24 | 8 ± 0.0180 | 27.3 ^{+0.3} ₀ |
| 11 | BH | — | — | 11 | 4 ^{+0.030} ₀ | 12.8 ^{+0.3} ₀ | 25 | BH | — | — | 25 | 8 ^{+0.036} ₀ | 28.3 ^{+0.3} ₀ | 11 | BJ | — | — | 11 | 4 ± 0.0150 | 12.8 ^{+0.3} ₀ | 25 | BJ | — | — | 25 | 8 ± 0.0180 | 28.3 ^{+0.3} ₀ |
| 12 | BH | — | — | 12 | 4 ^{+0.030} ₀ | 13.8 ^{+0.3} ₀ | 28 | BH | JH | — | 28 | 8 ^{+0.036} ₀ | 31.3 ^{+0.3} ₀ | 12 | BJ | — | — | 12 | 4 ± 0.0150 | 13.8 ^{+0.3} ₀ | 28 | BJ | JJ | — | 28 | 8 ± 0.0180 | 31.3 ^{+0.3} ₀ |
| 13 | BH | — | — | 13 | 5 ^{+0.030} ₀ | 15.3 ^{+0.3} ₀ | 30 | BH | — | — | 30 | 8 ^{+0.036} ₀ | 33.3 ^{+0.3} ₀ | 13 | BJ | — | — | 13 | 5 ± 0.0150 | 15.3 ^{+0.3} ₀ | 30 | BJ | — | — | 30 | 8 ± 0.0180 | 33.3 ^{+0.3} ₀ |
| 14 | BH | — | KH | 14 | 5 ^{+0.030} ₀ | 16.3 ^{+0.3} ₀ | 32 | BH | — | KH | 32 | 10 ^{+0.036} ₀ | 35.3 ^{+0.3} ₀ | 14 | BJ | — | KJ | 14 | 5 ± 0.0150 | 16.3 ^{+0.3} ₀ | 32 | BJ | — | KJ | 32 | 10 ± 0.0180 | 35.3 ^{+0.3} ₀ |
| 15 | BH | — | — | 15 | 5 ^{+0.030} ₀ | 17.3 ^{+0.3} ₀ | 35 | BH | — | — | 35 | 10 ^{+0.036} ₀ | 38.3 ^{+0.3} ₀ | 15 | BJ | — | — | 15 | 5 ± 0.0150 | 17.3 ^{+0.3} ₀ | 35 | BJ | — | — | 35 | 10 ± 0.0180 | 38.3 ^{+0.3} ₀ |
| 16 | BH | — | KH | 16 | 5 ^{+0.030} ₀ | 18.3 ^{+0.3} ₀ | 38 | BH | — | KH | 38 | 10 ^{+0.036} ₀ | 41.3 ^{+0.3} ₀ | 16 | BJ | — | KJ | 16 | 5 ± 0.0150 | 18.3 ^{+0.3} ₀ | 38 | BJ | — | KJ | 38 | 10 ± 0.0180 | 41.3 ^{+0.3} ₀ |
| 17 | BH | — | — | 17 | 5 ^{+0.030} ₀ | 19.3 ^{+0.3} ₀ | 40 | BH | — | — | 40 | 12 ^{+0.043} ₀ | 43.3 ^{+0.3} ₀ | 17 | BJ | — | — | 17 | 5 ± 0.0150 | 19.3 ^{+0.3} ₀ | 40 | BJ | — | — | 40 | 12 ± 0.0215 | 43.3 ^{+0.3} ₀ |
| 18 | BH | — | — | 18 | 6 ^{+0.030} ₀ | 20.8 ^{+0.3} ₀ | 42 | BH | — | — | 42 | 12 ^{+0.043} ₀ | 45.3 ^{+0.3} ₀ | 18 | BJ | — | — | 18 | 6 ± 0.0150 | 20.8 ^{+0.3} ₀ | 42 | BJ | — | — | 42 | 12 ± 0.0215 | 45.3 ^{+0.3} ₀ |
| 19 | BH | JH | KH | 19 | 6 ^{+0.030} ₀ | 21.8 ^{+0.3} ₀ | 45 | BH | — | — | 45 | 14 ^{+0.043} ₀ | 48.8 ^{+0.3} ₀ | 19 | BJ | JJ | KJ | 19 | 6 ± 0.0150 | 21.8 ^{+0.3} ₀ | 45 | BJ | — | — | 45 | 14 ± 0.0215 | 48.8 ^{+0.3} ₀ |

* We can also handle standards not listed above.

Standard Bore Diameter

| | | Standard (option) bore diameter, d1/d2 [mm] and related rated torque [N-m] | | | | | | | | | | | | | | | | | | | | | | | |
|--|--------------|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Nominal bore diameter | | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 22 | 24 | 25 | 28 | 30 | 32 | 35 | 38 | 40 | 42 | 45 |
| Shaft tolerance | h7 (h6 - g6) | B | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | j6 (Option) | J | | | | | | | | | | | ○ | | ○ | ○ | | ○ | | | | | | | |
| | k6 (Option) | K | ○ | ○ | | | | | ○ | | ○ | | | ○ | | ○ | ○ | | | | ○ | | ○ | | |
| Supported bore diameter for each model | SFC-025DA2 | d1 | ● | ● | ● | ● | ● | ● | | | | | | | | | | | | | | | | | |
| | | d2 | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | | | | | | |
| | SFC-030DA2 | d1 | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | | | | | |
| | | d2 | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | | | | |
| | SFC-035DA2 | d1 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | | | |
| | | d2 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | | |
| | SFC-040DA2 | d1 | 9 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | | |
| | | d2 | 9 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | | | | |
| | SFC-050DA2 | d1 | 18 | 20 | 22 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | | | |
| | | d2 | 18 | 20 | 22 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| | SFC-055DA2 | d1 | | | 31 | 34 | 36 | 38 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| | | d2 | | | 31 | 34 | 36 | 38 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | |
| SFC-060DA2 | d1 | | | | 50 | 51 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | | |
| | d2 | | | | 50 | 51 | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | | | |
| SFC-080DA2 | d1 | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| | d2 | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| SFC-090DA2 | d1 | | | | | | | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | |
| | d2 | | | | | | | | | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | |
| SFC-100DA2 | d1 | | | | | | | | | | | | | | | | | | | | | | | ● | |
| | d2 | | | | | | | | | | | | | | | | | | | | | | | ● | |

* The shaft tolerance for standard bore diameter is h7 (h6 or g6): designation B. However, for a bore diameter of a35, the shaft tolerance is ± 0.010 / -0.025 .

* Shaft tolerances j6/k6: designations J/K are optional, and are only supported for bore diameters marked with ○.

* Bore diameters marked with ● or numbers are supported as the standard bore diameters.

* Bore diameters whose fields contain numbers are restricted in their rated torque by the holding power of the shaft connection component because the bore diameter is small. The numbers indicate the rated torque [N-m].

How to Place an Order

SFC-060SA2-12BH-14KJ

Size ————
 Type ————
 SA2: Single element
 DA2: Double element

Bore diameter d1 (Small diameter)
 Bore diameter d2 (Large diameter)

Affixing method
 KJ: k6 shaft + JS9 keyway
 Affixing method
 BH: h7 (h6, g6) shaft + H9 keyway

* For nominal bore diameter, select d1 (small diameter) -d2 (large diameter) in that order.
 * If d1=d2 (same diameters), select B, J, and K in that order.
 B · J · K · BH · BJ · JH · JJ · KH · KJ