

SFC DA2 Types Double Element Type

Specifications

Model	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-002DA2	C	0.25	0.03	0.5(On one side)	± 0.08	10000	95	17	0.07×10^{-6}	0.004
SFC-005DA2	C	0.6	0.05	0.5(On one side)	± 0.1	10000	250	70	0.37×10^{-6}	0.010
SFC-010DA2	C	1	0.11	1(On one side)	± 0.2	10000	700	70	0.80×10^{-6}	0.015
SFC-020DA2	C	2	0.15	1(On one side)	± 0.33	10000	1850	32	3.43×10^{-6}	0.035
SFC-025DA2	C	4	0.16	1(On one side)	± 0.38	10000	2800	30	5.26×10^{-6}	0.040
SFC-030DA2	A	5	0.18	1(On one side)	± 0.4	10000	4000	32	7.43×10^{-6}	0.054
	B	5	0.18	1(On one side)	± 0.4	10000	4000	32	9.45×10^{-6}	0.060
	C	5	0.18	1(On one side)	± 0.4	10000	4000	32	11.56×10^{-6}	0.068
SFC-035DA2	C	10	0.24	1(On one side)	± 0.5	10000	9000	56	26.93×10^{-6}	0.121
SFC-040DA2	A	12	0.24	1(On one side)	± 0.6	10000	10000	40	29.98×10^{-6}	0.124
	B	12	0.24	1(On one side)	± 0.6	10000	10000	40	35.82×10^{-6}	0.131
	C	12	0.24	1(On one side)	± 0.6	10000	10000	40	42.52×10^{-6}	0.146
SFC-050DA2	A	25	0.28	1(On one side)	± 0.8	10000	16000	24	98.34×10^{-6}	0.250
	B	25	0.28	1(On one side)	± 0.8	10000	16000	24	118.9×10^{-6}	0.268
	C	25	0.28	1(On one side)	± 0.8	10000	16000	24	141.7×10^{-6}	0.298
SFC-055DA2	C	40	0.31	1(On one side)	± 0.84	10000	25000	21.5	261.3×10^{-6}	0.459
	A	60	0.34	1(On one side)	± 0.9	10000	35000	38.2	256.6×10^{-6}	0.447
SFC-060DA2	B	60	0.34	1(On one side)	± 0.9	10000	35000	38.2	315.7×10^{-6}	0.489
	C	60	0.34	1(On one side)	± 0.9	10000	35000	38.2	379.3×10^{-6}	0.549
SFC-080DA2	C	100	0.52	1(On one side)	± 1.10	10000	70000	64	1039×10^{-6}	1.037
SFC-090DA2	C	180	0.52	1(On one side)	± 1.30	10000	50000	54	1798×10^{-6}	1.369
SFC-100DA2	C	250	0.55	1(On one side)	± 1.48	10000	60000	55.5	2754×10^{-6}	1.739

* Check the "Standard Bore Diameters" as rated torque may be restricted by the holding power of the shaft connection component.

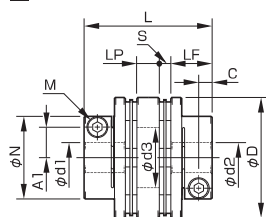
* Max. rotation speed does not take into account dynamic balance.

* Torsional stiffness values given are measured values for the element alone.

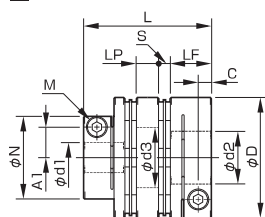
* The moment of inertia and mass are measured for the maximum bore diameter.

Dimensions

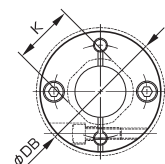
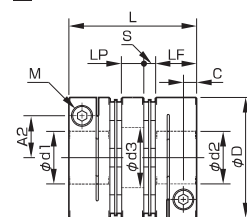
■ TYPE A



■ TYPE B



■ TYPE C



Model	Type	d1 [mm]		d2 [mm]		D [mm]	DB [mm]	N [mm]	L [mm]	LF [mm]	LP [mm]	S [mm]	A1 [mm]	A2 [mm]	C [mm]	d3 [mm]	K [mm]	M Qty - Nominal dia.	Tightening torque [N·m]
		Min.	Max.	Min.	Max.														
SFC-002DA2	C	3	5	3	5	12	12.4	—	15.7	5.9	2.8	0.55	—	3.7	1.9	5.2	5.6	1-M1.6	0.23 ~ 0.28
SFC-005DA2	C	3	6	3	6	16	—	—	23.2	7.85	5.5	1	—	4.8	2.5	6.5	6.5	1-M2	0.4 ~ 0.5
SFC-010DA2	C	3	8	3	8	19	—	—	25.9	9.15	5.5	1.05	—	5.8(6)	3.15	8.5	8.5	1-M2.5(M2)	1.0 ~ 1.1(0.4 ~ 0.5)
SFC-020DA2	C	4	10	4	11	26	—	—	32.3	10.75	7.5	1.65	—	9.5	3.3	10.6	10.6	1-M2.5	1.0 ~ 1.1
SFC-025DA2	C	5	14	5	14	29	—	—	32.8	10.75	7.5	1.9	—	11	3.3	15	14.5	1-M2.5	1.0 ~ 1.1
SFC-030DA2	A	5	10	5	10	34	—	21.6	37.8	12.4	8	2.5	8	—	3.75	15	14.5	1-M3	1.5 ~ 1.9
	B	5	10	Over 10	16	34	—	21.6	37.8	12.4	8	2.5	8	12.5	3.75	15	14.5	1-M3	1.5 ~ 1.9
	C	Over 10	14	Over 10	16	34	—	—	37.8	12.4	8	2.5	—	12.5	3.75	15	14.5	1-M3	1.5 ~ 1.9
SFC-035DA2	C	6	16	6	19	39	—	—	48	15.5	11	3	—	14	4.5	17	17	1-M4	3.4 ~ 4.1
SFC-040DA2	A	8	15	8	15	44	—	29.6	48	15.5	11	3	11	—	4.5	20	19.5	1-M4	3.4 ~ 4.1
	B	8	15	Over 15	24	44	—	29.6	48	15.5	11	3	11	17	4.5	20	19.5	1-M4	3.4 ~ 4.1
	C	Over 15	19	Over 15	24	44	—	—	48	15.5	11	3	—	17	4.5	20	19.5	1-M4	3.4 ~ 4.1
SFC-050DA2	A	8	19	8	19	56	—	38	59.8	20.5	14	2.4	14.5	—	6	26	26	1-M5	7.0 ~ 8.5
	B	8	19	Over 19	30	56	—	38	59.8	20.5	14	2.4	14.5	22	6	26	26	1-M5	7.0 ~ 8.5
	C	Over 19	25	Over 19	30	56	—	—	59.8	20.5	14	2.4	—	22	6	26	26	1-M5	7.0 ~ 8.5
SFC-055DA2	C	10	30	10	30	63	—	—	68.7	24	15.5	2.6	—	23	7.75	31	31	1-M6	14 ~ 15
	A	11	24	11	24	68	—	46	73.3	25.2	16.5	3.2	17.5	—	7.75	31	31	1-M6	14 ~ 15
SFC-060DA2	B	11	24	Over 24	35	68	—	46	73.3	25.2	16.5	3.2	17.5	26.5	7.75	31	31	1-M6	14 ~ 15
	C	Over 24	30	Over 24	35	68	—	—	73.3	25.2	16.5	3.2	—	26.5	7.75	31	31	1-M6	14 ~ 15
SFC-080DA2	C	18	35	18	40	82	—	—	98	30	22	8	—	28	9	40	38	1-M8	27 ~ 30
SFC-090DA2	C	25	40	25	45	94	—	—	98.6	30	22	8.3	—	34	9	47	42	1-M8	27 ~ 30
SFC-100DA2	C	32	45	32	45	104	—	—	101.6	30	22	9.8	—	39	9	50	48	1-M8	27 ~ 30

* The ϕDB value is measured assuming that the head of the clamping bolt is larger than the external diameter of the hub.

* The K dimension is the inner diameter of the element. For d2 dimension exceeding this value, shaft can be inserted only up to LF dimension to the d2 side hub.

* The nominal diameter for the clamping bolt M is equal to the quantity minus the nominal diameter of the screw threads, where the quantity is for a hub on one side.

* The figures in parentheses () for the SFC-010 are the values when d1 or d2 is $\phi 8$ mm.

Standard Bore Diameter

		Standard (option) bore diameter, d1/d2 [mm] and restricted 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-002DA2	d1	●	●	●																												
	d2	●	●	●																													
	SFC-005DA2	d1	●	●	●	●																											
	d2	●	●	●	●																												
	SFC-010DA2	d1	●	●	●	●	●	●	●																								
	d2	●	●	●	●	●	●	●																									
	SFC-020DA2	d1	●	●	●	●	●	●	●	●	●	●																					
	d2		●	●	●	●	●	●	●	●	●	●	●																				
	SFC-025DA2	d1			2.1	●	●	●	●	●	●	●	●	●	●	●																	
	d2			2.1	●	●	●	●	●	●	●	●	●	●	●	●																	
	SFC-030DA2	d1			2.8	3.4	●	●	●	●	●	●	●	●	●	●																	
	d2			2.8	3.4	●	●	●	●	●	●	●	●	●	●	●	●	●															
	SFC-035DA2	d1			5	5	6.6	●	●	●	●	●	●	●	●	●	●	●	●														
	d2			5	5	6.6	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●												
	SFC-040DA2	d1						9	●	●	●	●	●	●	●	●	●	●	●	●	●	●											
	d2						9	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
	SFC-050DA2	d1						18	20	22	22	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●						
	d2						18	20	22	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 shaft diameter of $\phi 35$, the tolerance is $\begin{smallmatrix} +0.010 \\ -0.025 \end{smallmatrix}$.

* 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. Consult Miki Pulley regarding special arrangements which may be possible for other 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-025DA2-10B-14K

Size ————
 Type ————
 DA2: Double element
 Aluminum alloy hub
 Bore diameter d1 (Small diameter) ————
 Bore diameter d2 (Large diameter) ————

Supported shaft tolerance
 B: h7(h6, g6) shaft
 J: j6 shaft (option)
 K: k6 shaft (option)

* 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.

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	Pin Bushing Couplings
Rubber and Plastic Couplings	PARAFLEX
	Link Couplings
	SCHMIDT
	Dual Rubber Couplings
Rubber and Plastic Couplings	STEFFLEX
	Jaw Couplings
	MIKI PULLEY
	STARFLEX
Rubber and Plastic Couplings	Jaw Couplings
	SPRFLEX
	Plastic Bellows Couplings
	BELLOWFLEX
Rubber and Plastic Couplings	Rubber and Plastic Couplings
	CENTAFLEX

MODELS

SFC

SFS

SFF

SFM

SFH