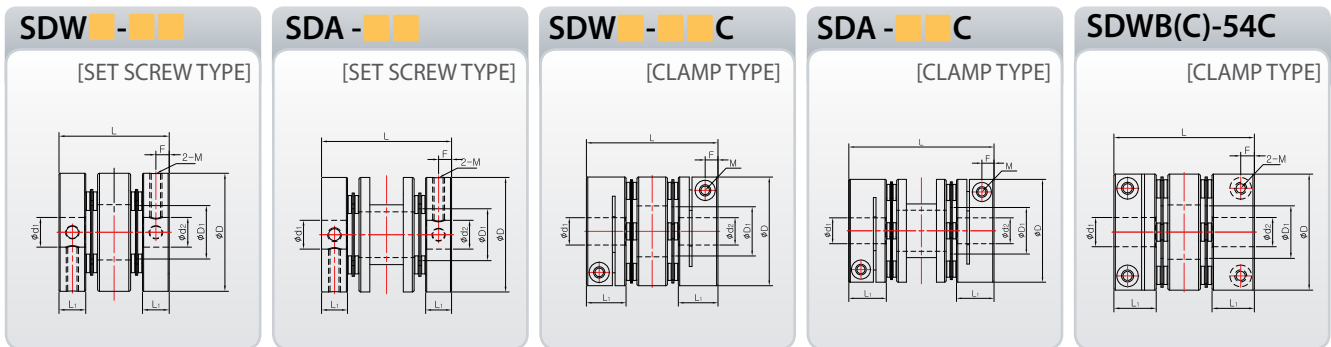


SD Series

Zero Backlash Disk Coupling



Dimensions & Performance

Product Number	Dimension (mm) (± 0.3)					Fastening Bolt M	Fastening Torque (N·m)	Max. RPM (min^{-1})	Max Torque (N·m)	Rated Torque (N·m)	Torsional Stiffness (N·m/rad)	Moment of Inertia ($\text{kg}\cdot\text{m}^2$)	Mass (g)	Permissible Misalignment		
	D	D ₁	L	L ₁	F									Angle (°)	Parallel (mm)	End-Play (mm)
SDWA-22	22.2	9	20.1	6.3	3	M3	0.7	12,000	2.2	1.1	400	1.0×10^{-6}	16	1.5	0.12	± 0.2
SDWB-22	22.2	9	22.3	6.3	3	M3	0.7	12,000	2.2	1.1	400	1.1×10^{-6}	17	1.5	0.12	± 0.2
SDA-22	22.2	8.3	28.3	6.3	3	M3	0.7	12,000	2.2	1.1	400	1.3×10^{-6}	18	1.5	0.12	± 0.2
SDWA-22C	22.2	9	25	8.7	2.8	M2.6	1	10,000	2.2	1.1	400	1.3×10^{-6}	18	1.5	0.12	± 0.2
SDWB-22C	22.2	9	27.2	8.7	2.8	M2.6	1	10,000	2.2	1.1	400	1.4×10^{-6}	19	1.5	0.12	± 0.2
SDA-22C	22.2	8.3	33.2	8.7	2.8	M2.6	1	10,000	2.2	1.1	400	1.5×10^{-6}	20	1.5	0.12	± 0.2
SDWA-26	26.6	12.2	26	7.4	3.6	M4	1.7	12,000	3	1.5	600	2.3×10^{-6}	28	1.5	0.15	± 0.3
SDA-26	26.6	10.5	31.7	7.4	3.6	M4	1.7	12,000	3	1.5	600	3.2×10^{-6}	32	1.5	0.15	± 0.3
SDWA-26C	26.6	12.2	32.5	10.6	3.4	M3	1.7	10,000	3	1.5	600	3.4×10^{-6}	34	1.5	0.15	± 0.3
SDA-26C	26.6	10.5	38.2	10.6	3.4	M3	1.7	10,000	3	1.5	600	3.9×10^{-6}	39	1.5	0.15	± 0.3
SDWA-31	31.8	14.4	24.7	7.2	3.6	M4	1.7	10,000	6	3	1,300	4.3×10^{-6}	30	1.5	0.15	± 0.4
SDWB-31	31.8	14.4	29.7	7.2	3.6	M4	1.7	10,000	6	3	1,300	5.5×10^{-6}	38	1.5	0.15	± 0.4
SDA-31	31.8	12.7	36.1	7.2	3.6	M4	1.7	10,000	6	3	1,300	5.5×10^{-6}	38	1.5	0.15	± 0.4
SDWA-31C	31.8	14.4	33.5	11.6	3.7	M3	1.7	9,000	6	3	1,300	7.5×10^{-6}	52	1.5	0.15	± 0.4
SDWB-31C	31.8	14.4	38.5	11.6	3.7	M3	1.7	9,000	6	3	1,300	8.8×10^{-6}	60	1.5	0.15	± 0.4
SDA-31C	31.8	12.7	44.9	11.6	3.7	M3	1.7	9,000	6	3	1,300	8.8×10^{-6}	60	1.5	0.15	± 0.4
new SDWA-35C	35	16.2	34.6	12.7	4.4	M4	3.5	8,500	8	4	1,500	1.21×10^{-5}	66.8	1.5	0.16	± 0.4
new SDWC-35C	35	16.2	38.1	12.7	4.4	M4	3.5	8,500	8	4	1,500	1.37×10^{-5}	75	1.5	0.16	± 0.4
SDWA-39C	39	17	39.5	13.7	4.3	M4	3.5	8,000	10	5	1,800	2.1×10^{-5}	95	1.5	0.18	± 0.4
SDWC-39C	39	17	45	13.7	4.3	M4	3.5	8,000	10	5	1,800	2.4×10^{-5}	110	1.5	0.18	± 0.4
SDA-39C	39	15.3	56.5	13.7	4.3	M4	3.5	8,000	10	5	1,800	3.0×10^{-5}	120	1.5	0.18	± 0.4
SDWC-42C	42.5	18	46.2	13.7	4.3	M4	3.5	8,000	14	7	2,000	3.3×10^{-5}	120	1.5	0.18	± 0.5
SDWC-47C	47	20.4	50	16	5.2	M4	3.5	8,000	24	12	4,000	5.5×10^{-5}	160	1.5	0.2	± 0.5
SDWB-54C	54	25	52.6	19	6.3	M5	8	8,000	44	22	7,000	1.1×10^{-4}	250	1.5	0.2	± 0.5
SDWC-54C	54	25	58.6	19	6.3	M5	8	8,000	44	22	7,000	1.2×10^{-4}	280	1.5	0.2	± 0.5

* Mass and mass moment of inertia are measured with max. bore size

Standard Inner diameter

Product Number	Standard Inner Diameter (d_1, d_2 , unit:mm)																							
	3	4	4.5	5	6	6.35	7	8	9	9.525	10	11	12	12.7	14	15	15.875	16	17	18	19	20	24	25
SD□□-16□	●	●	●	●																				
SD□□-19□	●	●	●	●	●																			
SD□□-22□	●	●	●	●	●	●	●	●	●*	●*														
SD□□-26□		●	●	●	●	●	●	●	●	●	●													
SD□□-31□				●	●	●	●	●	●	●	●	●	●	●	●	●*								
SD□□-35□				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
SD□□-39□				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●					
SD□□-42C					●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●*	●*		
SD□□-47C								●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
SD□□-54□											●	●	●	●	●	●	●	●	●	●	●	●	●	●

- For the inner diameter, INCH type is available
- Keyway is available
- In case of the ★ inner bore diameter, a shaft cannot penetrate through the stainless steel plate spring.
- Nonstandard inner diameter is also available
- The recommendation for shaft tolerance is h7.