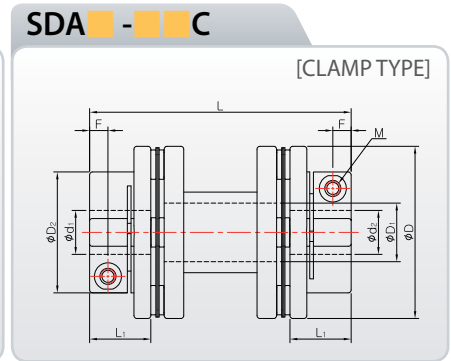
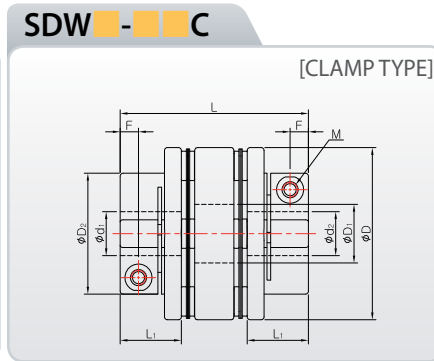
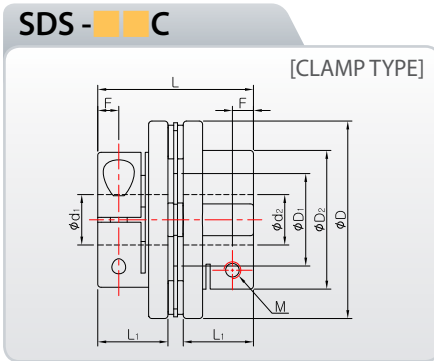


# SD Series

## Zero Backlash Disk Coupling



### Dimensions & Performance

Product Number	Dimension (mm) (±0.3)						Fastening Bolt M	Fastening Torque (N·m)	Max-RPM (min <sup>-1</sup> )	Max Torque (N·m)	Rated Torque (N·m)	Torsional Stiffness (N·m/rad)	Moment of Inertia (kg·m <sup>2</sup> )	Mass (g)	Permissible Misalignment		
	D	D <sub>1</sub>	D <sub>2</sub>	L	L <sub>1</sub>	F									Angle (°)	Parallel (mm)	End-Play (mm)
SDS-42C	42.5	18	29.3	30.8	13.4	3.8	M3	1.7	8,000	14	7	2,800	1.7×10 <sup>-5</sup>	65	1	0.02	±0.25
SDWA-42C	42.5	18	29.3	39.7	13.4	3.8	M3	1.7	8,000	14	7	2,000	2.1×10 <sup>-5</sup>	84	1.5	0.18	±0.5
SDWB-42C	42.5	18	29.3	44.2	13.4	3.8	M3	1.7	8,000	14	7	2,000	2.4×10 <sup>-5</sup>	94	1.5	0.18	±0.5
SDAA-42C	42.5	18	29.3	50	13.4	3.8	M3	1.7	8,000	14	7	2,000	2.7×10 <sup>-5</sup>	105	1.5	0.18	±0.5
SDAB-42C	42.5	18	29.3	57.9	13.4	3.8	M3	1.7	8,000	14	7	2,000	2.8×10 <sup>-5</sup>	110	1.5	0.18	±0.5
SDAC-42C	42.5	18	29.3	67.3	13.4	3.8	M3	1.7	8,000	14	7	2,000	2.9×10 <sup>-5</sup>	115	1.5	0.18	±0.5
SDS-47C	47	20.4	33	37	16.7	5	M4	3.5	8,000	24	12	6,000	3.2×10 <sup>-5</sup>	108	1	0.02	±0.25
SDWA-47C	47	20.4	33	45.6	16.7	5	M4	3.5	7,500	24	12	4,000	3.6×10 <sup>-5</sup>	120	1.5	0.2	±0.5
SDWB-47C	47	20.4	33	51.4	16.7	5	M4	3.5	7,500	24	12	4,000	3.9×10 <sup>-5</sup>	132	1.5	0.2	±0.5
SDAA-47C	47	20	33	63.8	16.7	5	M4	3.5	7,500	24	12	4,000	4.5×10 <sup>-5</sup>	152	1.5	0.2	±0.5
SDAB-47C	47	20	33	90.7	16.7	5	M4	3.5	7,500	24	12	4,000	5.1×10 <sup>-5</sup>	172	1.5	0.2	±0.5
SDS-54C	54	25	38.5	47.1	21.4	6.1	M5	8	8,000	44	22	11,000	5.5×10 <sup>-5</sup>	145	1	0.02	±0.25
SDWA-54C	54	25	38.5	60.6	21.4	6.1	M5	8	7,500	44	22	7,000	7.2×10 <sup>-5</sup>	192	1.5	0.2	±0.5
SDAA-54C	54	24.3	38.5	76	21.4	6.1	M5	8	7,500	44	22	7,000	9.0×10 <sup>-5</sup>	240	1.5	0.2	±0.5
SDAB-54C	54	24.3	38.5	89.9	21.4	6.1	M5	8	7,500	44	22	7,000	1.1×10 <sup>-4</sup>	266	1.5	0.2	±0.5
SDS-64C	64	25.8	48	58.2	26	7.5	M6	13	7,000	62	31	20,000	1.8×10 <sup>-4</sup>	292	1	0.02	±0.25
SDWA-64C	64	25.8	48	74.4	26	7.5	M6	13	6,500	62	31	11,000	2.2×10 <sup>-4</sup>	373	1.5	0.3	±0.5
SDA-64C	64	25.8	48	89.9	26	7.5	M6	13	6,500	62	31	11,000	2.7×10 <sup>-4</sup>	450	1.5	0.3	±0.5

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

■ For SDW□-64C, cylindrical-shaped hubs are available from bore size Ø15. Please indicate "D" after the bore size when the order is placed.

■ For SDW□-64C, cylindrical-shaped hubs are used from Ø28 (inner bore diameter).

### Standard Inner diameter

Product Number	Standard Inner Diameter (d <sub>1</sub> , d <sub>2</sub> , unit:mm)																											
	5	6	6.35	7	8	9	9.525	10	11	12	12.7	14	15	15.875	16	17	18	19	20	21	22	24	25	26	28	30	35	
SD□□-42C	●	●	●	●	●	●	●	●	●	●	●	●	●															
SD□□-47C				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●									
SD□□-54C								●	●	●	●	●	●	●	●	●	●	●	●	●								
SD□□-64C										●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

■ For the inner diameter, INCH type is available

■ Nonstandard inner diameter is also available

■ Keyway is available

■ The recommendation for shaft tolerance is h7.

■ In case of the ★ inner bore diameter, a shaft cannot penetrate through the stainless steel plate spring.