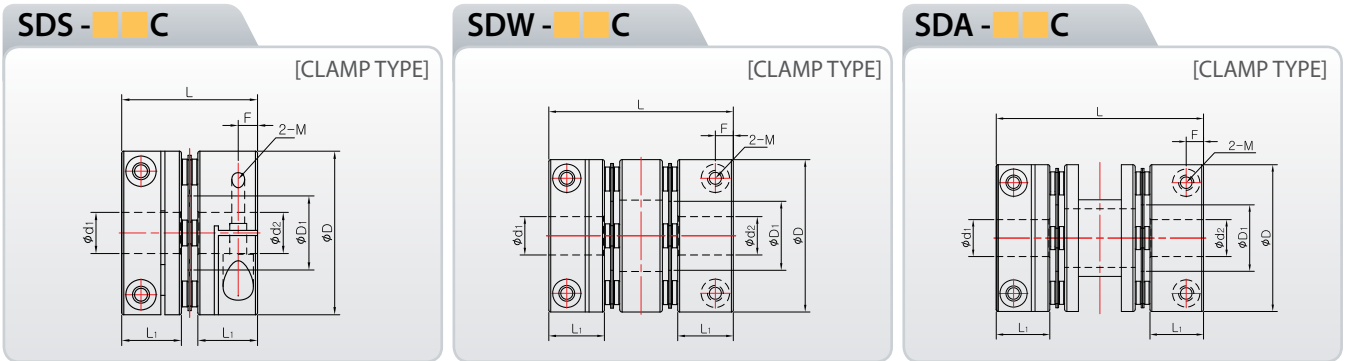


SD Series Zero Backlash Disk Coupling

Please, download CAD DATA from www.sungilfa.com



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 (kg·m ²)	Mass (g)	Permissible Misalignment		
	D	D ₁	L	L ₁	F									Angle (°)	Parallel (mm)	End-Play (mm)
SDS-80C	80	35.8	66.1	29.7	9.4	M8	30	7,000	150	75	40,000	7.5 × 10 ⁻⁴	800	1	0.02	±0.4
SDW-80C	80	35.8	81.8	29.7	9.4	M8	30	6,000	150	75	20,000	8.4 × 10 ⁻⁴	900	2	0.4	±0.6
SDA-80C	80	32	98.3	29.7	9.4	M8	30	6,000	150	75	20,000	9.5 × 10 ⁻⁴	1,000	2	0.5	±0.6
SDS-90C	94.5	41.6	68.9	30.4	9.3	M8	30	6,000	300	150	60,000	1.2 × 10 ⁻³	930	1	0.02	±0.5
SDW-90C	94.5	41.6	98.9	30.4	9.3	M8	30	6,000	300	150	35,000	1.8 × 10 ⁻³	1,350	2	0.4	±0.8
SDS-100C	104.5	47.7	71.7	30.7	9.3	M8	30	6,000	440	220	70,000	2.2 × 10 ⁻³	1,300	1	0.02	±0.6
SDW-100C	104.5	47.7	103.8	30.7	9.3	M8	30	6,000	440	220	50,000	2.9 × 10 ⁻³	1,700	2	0.4	±0.8

* 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)															
	15	16	18	19	20	22	24	25	28	30	32	35	40	45	50	50
SDS-80C	●	●	●	●	●	●	●	●	●	●	●					
SDW-80C	●	●	●	●	●	●	●	●	●	●	●					
SDS-90C					●	●	●	●	●	●	●	●	●	●		
SDW-90C					●	●	●	●	●	●	●	●	●	●		
SDS-100C					●	●	●	●	●	●	●	●	●	●	●★	
SDW-100C					●	●	●	●	●	●	●	●	●	●	●★	

- 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.

