

DC – SA Type

Disc Couplings
Clamping Screw Single
Disc Type

The DC-SA Type is a single-disc plate coupling. Its compact design makes it ideal for applications in confined spaces. With a smaller displacement compared to the double-disc type, precise shaft alignment is essential. This type's hard-anodized surface ensures excellent resistance to corrosion, oil, and chemicals.



Ordering Instructions

- Please specify the series, outer diameter, and bore size when placing your order.
- If keyway machining (on the bore) is required, ensure to indicate this separately.
- For assistance in selecting the right couplings, please contact our customer service center.

DC series **32** Specifications (Outer diameter) **SA** Type (Shape) **10** Bore diameter (d1) **15** Bore diameter (d2)

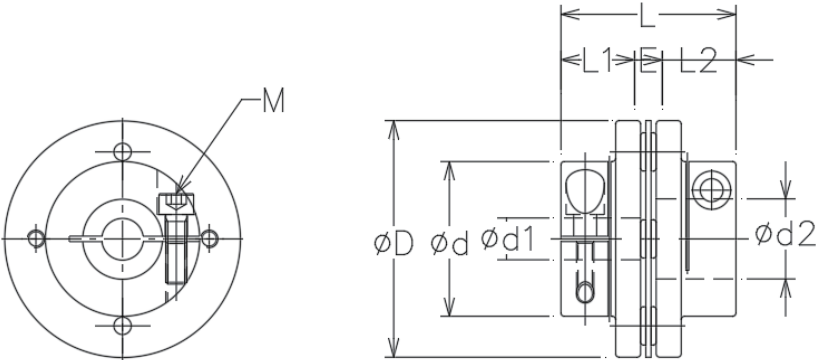
LK3 – RK5
Keyway (Side d1) Keyway (Side d2)
For keyway machining

Standard Bore Diameter

※ Bore machining is available within the product's minimum to maximum bore range beyond the standard bore sizes. (Refer to the figures on the right)

Standard bore diameter (d1/d2, mm)	3	4	5	6	6.35	8	10	12	14	15	16	17	18	19	20	22	24	25
DC 32 SA		•	•	•	•	•	•											
DC 42 SA				•	•	•	•	•	•	•	•							
DC 48 SA						•	•	•	•	•	•	•						
DC 54 SA							•	•	•	•	•	•	•	•	•			
DC 68 SA							•	•	•	•	•	•	•	•	•	•	•	•

Download detailed product information, including 2D (dwg) and 3D (step) files, from our website: www.jitcoupling.co.kr.



Dimension

Product Name	External Diameter	Length	Bore diameter range (d1/d2)		Shaft depth		Shaft Insert Distance	Bolt Size
			Min. Bore Diameter	Max. Bore Diameter	Shaft Insert Length	Shaft Insert Length		
DC 32 SA	Ø32/Ø28	28.1	4	10	13	13	2.1	M2.5
DC 42 SA	Ø42/Ø28	30.2	6	16	15	15	3.2	M3
DC 48 SA	Ø48/Ø31	37	8	17	17	17	3	M4
DC 54 SA	Ø54/Ø35	47.1	10	20	20	20	7.1	M5
DC 68 SA	Ø68/Ø44.5	50.5	10	25	22	22	6.5	M6

Specification

Product Name	Rated Torque (Nm)	Max Torque (Nm)	Max. Rotational Frequency (min ⁻¹)	Moment of Inertia (kg*m ²)	Static Torsional Stiffness (Nm/rad)	Max. Lateral Misalignment (mm)	Max. Angular Misalignment (°)	Max. Axial Misalignment (mm)	Mass (g)
DC 32 SA	5.8	11.5	12,750	3.98x10 ⁻⁶	1,300	0.1	1	0.1	65
DC 42 SA	13.1	26.1	10,000	1.56x10 ⁻⁵	1,900	0.1	1.5	0.2	71
DC 48 SA	21.7	43.4	7,750	1.32x10 ⁻⁵	4,000	0.13	1.5	0.2	103
DC 54 SA	35.6	71.2	7,000	6.53x10 ⁻⁵	7,000	0.15	2	0.2	166
DC 68 SA	69.5	139.1	6,400	1.07x10 ⁻⁴	11,000	0.2	2	0.2	283