

DC – A Type

Disc Couplings  
Clamping Screw Double  
Disc Type

The DC Series is a coupling that assembles highly elastic metal discs between two hubs secured by bolts. As all components are made of metal, it is suitable for use in environments with high heat generation. The DC-A Type features a larger disc diameter relative to the shaft diameter, enabling the selection of higher operational torque.



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)

A

Type  
(Shape)

10

Bore  
diameter  
(d1)

15

Bore  
diameter  
(d2)

LK3 – RK5

Keyway  
(Side d1)

Keyway  
(Side d2)

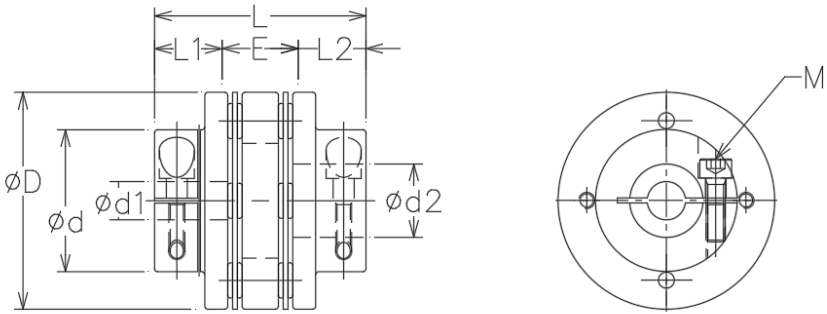
For keyway machining

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 A		•	•	•	•	•	•											
DC 42 A				•	•	•	•	•	•	•	•							
DC 48 A						•	•	•	•	•	•	•	•					
DC 54 A							•	•	•	•	•	•	•	•	•			
DC 68 A							•	•	•	•	•	•	•	•	•	•	•	•

Download detailed product information, including 2D (dwg) and 3D (step) files, from our website: [www.jitcoupling.co.kr](http://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 A	Ø32/Ø20	38	4	10	13	13	12	M2.5
DC 42 A	Ø42/Ø28	43	6	16	15	15	13	M3
DC 48 A	Ø48/Ø31	50	8	17	17	17	16	M3
DC 54 A	Ø54/Ø35	63	10	20	20	20	23	M5
DC 68 A	Ø68/Ø44.5	66.4	10	25	22	22	22.4	M6

Specification

Product Name	Rated Torque (Nm)	Max Torque (Nm)	Max. Rotational Frequency (min <sup>-1</sup> )	Moment of Inertia (kg*m <sup>2</sup> )	Static Torsional Stiffness (Nm/rad)	Max. Lateral Misalignment (mm)	Max. Angular Misalignment (°)	Max. Axial Misalignment (mm)	Mass (g)
DC 32 A	6.4	12.9	12,750	1.03x10 <sup>-5</sup>	1,300	0.1	1	0.1	75
DC 42 A	14.0	28.1	10,000	3.71x10 <sup>-5</sup>	1,900	0.1	1.5	0.2	102
DC 48 A	20.2	40.4	7,750	6.89x10 <sup>-5</sup>	4,000	0.13	1.5	0.2	151
DC 54 A	29.1	58.3	7,000	1.31x10 <sup>-4</sup>	7,000	0.15	2	0.2	260
DC 68 A	58.9	117.8	6,400	2.92x10 <sup>-4</sup>	11,000	0.2	2	0.2	438