

RCL Type

Rigid Couplings
- Long Type
Clamp Standard Type

The RCL couplings do not accommodate eccentricity, angular misalignment, or end play. Designed to transmit high torque relative to their outer diameter, the RCL Type improves shaft fastening with two bolts per shaft, increasing damping force and ensuring a secure and reliable connection.



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.

RCL
series

32
Specifications
(Outer
diameter)

10
Bore
diameter
(d1)

- 15
Bore
diameter
(d2)

LK3 – RK5
Keyway
(Side d1) Keyway
(Side d2)

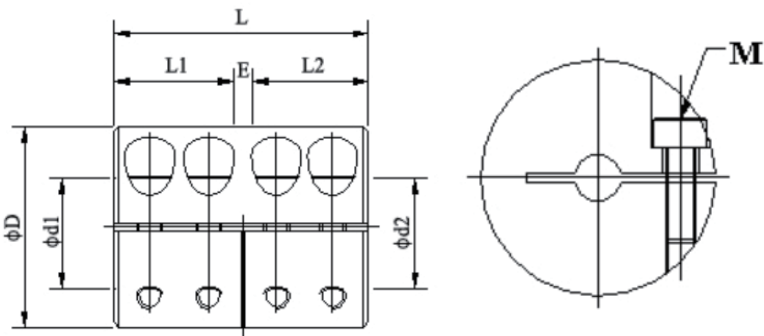
For keyway machining

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	13	14	15	16	18	19	20	22	24	25	28	28
RCL 20			•	•	•	•	•													
RCL 25				•	•	•	•	•												
RCL 32						•	•	•	•	•	•	•								
RCL 42							•	•	•	•	•	•	•	•	•	•				
RCL 48							•	•	•	•	•	•	•	•	•	•	•	•	•	•

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		
RCL 20	Ø20	24	5	10	11	11	2	M4
RCL 25	Ø25	36	6	13	17	17	2	M5
RCL 32	Ø32	40	8	16	19	19	2	M6
RCL 42	Ø42	52	10	22	25	25	2	M6
RCL 48	Ø48	60	10	28	29	29	2	M8

Specification

Product Name	Rated Torque (Nm)	Max Torque (Nm)	Max. Rotational Frequency(min ⁻¹)	Moment of Inertia(kg*m ²)	Mass(g)
RCL 20	1	2	19,250	9.2x10 ⁻⁷	18
RCL 25	2	4	15,500	3.2x10 ⁻⁶	38
RCL 32	4	8	11,900	7.6x10 ⁻⁶	70
RCL 42	8.5	17	9,500	2.1x10 ⁻⁵	160
RCL 48	20	40	7,500	4.3x10 ⁻⁵	240