RC Type

Rigid Couplings

Clamp Short Type

Rigid Couplings are fully cylindrical, designed with uniform outer diameters and lengths. This design enables high torque transmission, even over short lengths. These couplings are not suitable for eccentricity, angular misalignment, or end play. To achieve optimal performance, ensure precise shaft alignment during installation and use.

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.

RC series — **32** Specifications (Outer diameter) — **10** Bore diameter (d1) - **15** Bore diameter (d2)

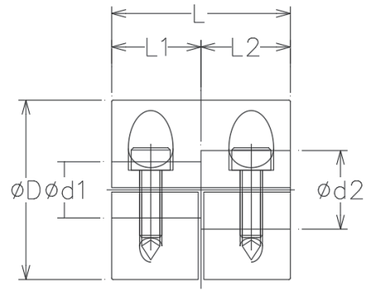
LK3 – RK5 (For keyway machining)
Keyway (Side d1) — Keyway (Side d2)

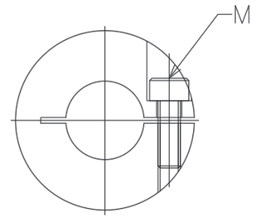
Standard Bore Diameter

※ 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	26	28
RC 20			●	●	●	●	●													
RC 25				●	●	●	●	●	●											
RC 32						●	●	●	●	●	●	●								
RC 42							●	●	●	●	●	●	●	●	●	●				
RC 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		
RC 20	Ø20	20	5	10	9	9	2	M4
RC 25	Ø25	25	6	13	11.5	11.5	2	M5
RC 32	Ø32	32	8	16	15	15	2	M6
RC 42	Ø42	42	10	22	20	20	2	M6
RC 48	Ø48	48	10	28	23	23	2	M8

Specification

Product Name	Rated Torque (Nm)	Max Torque (Nm)	Max. Rotational Frequency(min^{-1})	Moment of Inertia($kg*m^2$)	Mass(g)
RC 20	1	2	23,250	$8.7x10^{-7}$	15
RC 25	2	4	18,500	$2.7x10^{-6}$	29
RC 32	4	8	11,900	$7.1x10^{-6}$	61
RC 42	8.5	17	9,500	$1.5x10^{-5}$	130
RC 48	20	40	7,500	$3.87x10^{-5}$	190