OC-S Type

Oldham Couplings

Set Screw Type

The OC Series is designed to allow the shaft to pass through the inner side of the spacer without interference. This design relieves pressure on the spacer, reducing the risk of coupling damage. Additionally, the spacer in the OC Series acts as a complete insulator, effectively blocking electrical noise.

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.

OC (series) **32** (Specifications (Outer diameter)) **S** (Type (Fastening method)) - **10** (Bore diameter (d1)) - **15** (Bore diameter (d2))

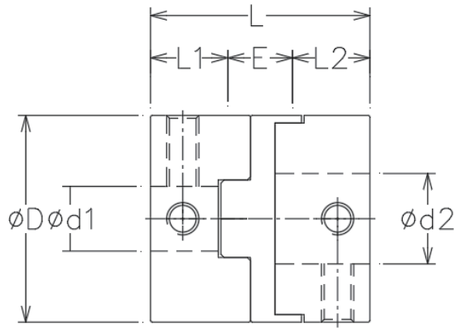
LK3 – RK5 (LK3: Keyway (Side d1); RK5: Keyway (Side d2)) — **For keyway machining**

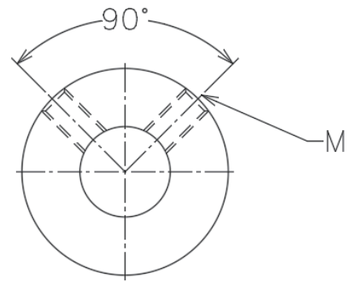
Standard Bore Diameter

※ 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
OC 16 S	●	●	●	●	●	●										
OC 20 S		●	●	●	●	●	●									
OC 25 S			●	●	●	●	●	●	●							
OC 32 S				●	●	●	●	●	●	●	●	●	●			
OC 42 S						●	●	●	●	●	●	●	●	●	●	●

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		
OC 16 S	Ø16	20	3	8	6	6	8	M3
OC 20 S	Ø20	22	4	10	6.5	6.5	9	M4
OC 25 S	Ø25	28	5	13	7.5	7.5	13	M4
OC 32 S	Ø32	34	6	18	9.5	9.5	15	M5
OC 42 S	Ø42	42	8	22	12	12	18	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)
OC 16 S	1.2	2.4	12,500	$3.40x10^{-7}$	65	1	2	0.05	10.9
OC 20 S	1.8	3.6	10,500	$9.13x10^{-7}$	120	1.5	2	0.08	18.7
OC 25 S	2.8	5.6	9,250	$2.83x10^{-6}$	200	2	2	0.1	37.1
OC 32 S	8	16	8,500	$9.25x10^{-6}$	620	2.5	2	0.1	73.8
OC 42 S	17	34	8,000	$3.39x10^{-5}$	1200	3	2	0.1	157