

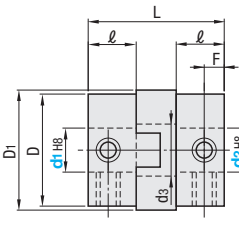
Oldham Couplings

High Rigidity, Set Screw

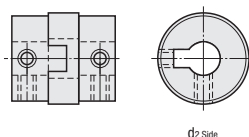
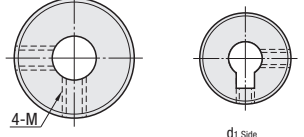
■Features: Aluminum bronze is used for spacer and it has allowable torque twice as much as Resin Type.



MCOG (Standard Bore)



MCOGRK (Keywayed Bore d2)
MCOGWK (Keywayed Bore d1, d2)



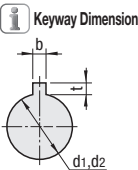
① The lateral, angular, and axial misalignment values shown are for each occurring individually. When multiple misalignments are occurring simultaneously, the allowable maximum value of each will be reduced to 1/2.

② For the selection criteria and alignment procedures, see **P1061**

Standard Bore	Keywayed Bore			Material		Accessory
	d2 (One Side)	d1, d2 (Both Sides)	Hub	Spacer		
MCOG	MCOGRK	MCOGWK	SUS304 Sintered Alloy	Aluminum Bronze (Sold Lubricant Embedded)	Set Screw	

Part Number		d1, d2 Selection (d1≤d2)										Set Screw		Unit Price		
Type	No.	① Keywayed Bore Type is selectable for diameter 6 or larger										M	Tightening Torque (N·m)	MCOG	MCOGRK	MCOGWK
MCOG MCOGRK MCOGWK	15	4	5	6	6.35	7	8					M3	0.7			
	17		5	6	6.35	7	8					M4	1.7			
	20			6	6.35	7	8	9.53	10	11	12					
	26			6	6.35	7	8	9.53	10	11	12					
	30						8		10	12	14					
	34								10	11	12	14	15	16		
	38								10	12	14	15	16	18	20	

Part Number	Allowable Torque (N·m)	Angular Misalignment (°)	Lateral Misalignment (mm)	Static Torsional Spring Constant (N·m/rad)	Max. Rotational Speed (r/min)	Moment of Inertia (kg·m ²)	Mass (g)
Type	No.						
MCOG MCOGRK MCOGWK	15	3	0.5	800	8000	4 × 10 ⁻⁶	±0.1
	17	5	0.5	1000	7000	1 × 10 ⁻⁷	±0.1
	20	7	0.5	2200	6000	2 × 10 ⁻⁶	±0.1
	26	10	0.8	4000	5000	6 × 10 ⁻⁶	±0.2
	30	30	1	5500	5000	2.5 × 10 ⁻⁵	±0.3
	34	32	1	8000	4000	4 × 10 ⁻⁵	±0.2
	38	50	1	11000	4000	1 × 10 ⁻⁴	±0.3

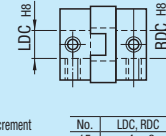


Shaft Bore Dia. d1, d2	b	t	Key Nominal Dim. b×h
6~7.9	2	1.0	2x2
8~10	3	1.4	3x3
10.1~12	4	1.8	4x4
12.1~17	5	2.3	5x5
17.1~20	6	2.8	6x6

- ① Excellent in high torque / high speed rotation applications.
- ② When lateral misalignment is more than 0.1, spacer wear will be in proportion to the amount of load torque, lateral misalignment, and the number of rotations.

Ordering Example	Part Number	-	Shaft Bore Dia. d1	-	Shaft Bore Dia. d2
	MCOG20	-	6	-	6
	MCOGRK20	-	8	-	12
	MCOGWK20	-	10	-	12

Alterations	Part Number	-	Shaft Bore Dia. d1(LDC)	-	Shaft Bore Dia. d2(RDC)	-	(KLH, KRH)
	MCOG20	-	LDC6.5	-	RDC9	-	
	MCOGWK30	-	8	-	10	-	KRH4

Alterations	Shaft Bore Dia.	Keyway Width
Spec.	 0.1mm Increment Ordering Code LDC7.8 RDC9.3	Keyway Width (b) is changed as the table below.
		Ordering Code KLH4 KRH4
		Shaft Bore Dia. d1, d2
		KLH, KRH(b)
Code	LDC (Left Shaft) RDC (Right Shaft)	KLH (Left Shaft) KRH (Right Shaft)

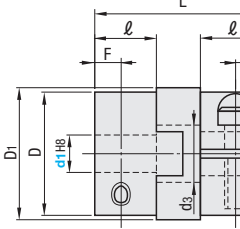
Oldham Couplings

High Rigidity, Clamping

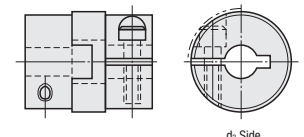
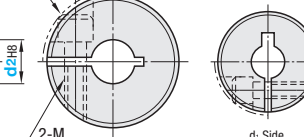
■Features: Aluminum bronze is used for spacer and it has allowable torque twice as much as Resin Type.



MCOCG (Standard Bore)



MCOCGLK (Keywayed Bore d1)
MCOCGRK (Keywayed Bore d2)
MCOCGWK (Keywayed Bore d1, d2)



① Tolerances for d1 and d2 are values before slit machining.

② The lateral, angular, and axial misalignment values shown are for each occurring individually. When multiple misalignments are occurring simultaneously, the allowable maximum value of each will be reduced to 1/2.

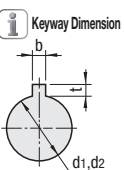
③ For the selection criteria and alignment procedures, see **P1061**

Standard Bore	Keywayed Bore			Material		Accessory
	d1 (One Side)	d2 (One Side)	d1, d2 (Both Sides)	Hub	Spacer	
MCOCG	MCOCGLK	MCOCGRK	MCOCGWK	SUS304 Sintered Alloy	Aluminum Bronze (Sold Lubricant Embedded)	Hex Socket Head Cap Screw

Part Number		d1, d2 Selection (d1≤d2)										Clamp Screw		Unit Price		
Type	No.	① Keywayed Bore Type is selectable for diameter 6 or larger										M	Tightening Torque (N·m)	MCOCG	MCOCGLK	MCOCGRK
MCOCG MCOCGLK MCOCGRK MCOCGWK	15	4	5	6								M2.5	1.0			
	17		5	6	6.35							M3	1.8			
	20			6	6.35	7	8	9.53	10							
	26			6	6.35	7	8	9.53	10	11	12					
	30						8		10			M4	3.0			
	34								12	14		M5	8.0			
	38								10	11	12	M4	4.5			

*Clamping screw tightening torque for shaft diameter 16mm (d1, d2) of MCOCG34 is 5.4 (N·m).

Part Number	Allowable Torque (N·m)	Angular Misalignment (°)	Lateral Misalignment (mm)	Static Torsional Spring Constant (N·m/rad)	Max. Rotational Speed (r/min)	Moment of Inertia (kg·m ²)	Mass (g)
Type	No.						
MCOCG MCOCGLK MCOCGRK MCOCGWK	15	3	0.5	800	8000	6 × 10 ⁻⁷	±0.1
	17	5	0.5	1000	7000	1.2 × 10 ⁻⁶	±0.1
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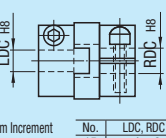


Shaft Bore Dia. d1, d2	b	t	Key Nominal Dim. b×h
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- ① Excellent in high torque / high speed rotation applications.
- ② When lateral misalignment is more than 0.1, spacer wear will be in proportion to the amount of load torque, lateral misalignment, and the number of rotations.

Ordering Example	Part Number	-	Shaft Bore Dia. d1	-	Shaft Bore Dia. d2
	MCOCG20	-	6	-	6
	MCOCGLK30	-	8	-	12
	MCOCGWK38	-	10	-	12

Alterations	Part Number	-	Shaft Bore Dia. d1(LDC)	-	Shaft Bore Dia. d2(RDC)	-	(KLH, KRH)
	MCOCG20	-	LDC6.5	-	RDC9	-	
	MCOCGWK30	-	8	-	10	-	KRH4

Alterations	Shaft Bore Dia.	Keyway Width
Spec.	 0.1mm Increment Ordering Code LDC7.8 RDC9.3	Keyway Width (b) is changed as the table below.
		Ordering Code KLH4 KRH4
		Shaft Bore Dia. d1, d2
		KLH, KRH(b)
Code	LDC (Left Shaft) RDC (Right Shaft)	KLH (Left Shaft) KRH (Right Shaft)