


Oldham Couplings

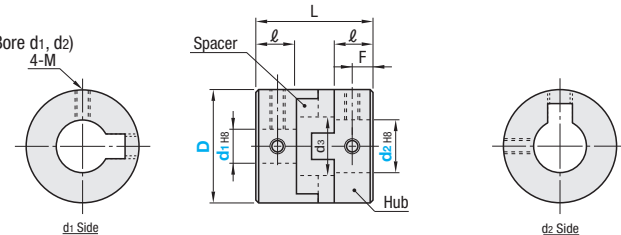
High Rigidity Large Shaft Diameter, Set Screw / Clamping

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

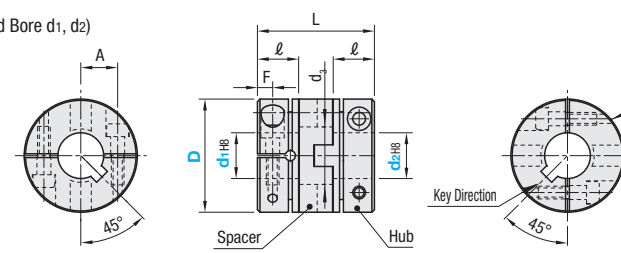


RoHS 10

■ **Set Screw**
MFJGWK (Keywayed Bore d₁, d₂)



■ **Clamping**
MFJCGWK (Keywayed Bore d₁, d₂)



⚠ Operating Temperature: -20°C ~ 80°C
 ⚠ Tolerances for d₁ and d₂ are values before slit machining.
 ⚠ 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.
 When multiple misalignments are occurring simultaneously, the allowable maximum value of each will be reduced to 1/2.
 ⚠ For the selection criteria and alignment procedures, see **SE P1061**
 ⚠ When the lateral/angular misalignments, the torque and the rotational speed are over 50% of the allowable values, apply grease with molybdenum disulfide periodically.

Shape	Keywayed Bore d ₁ , d ₂ (Both Sides)	Material Hub	Material Spacer	Accessory
Set Screw	MFJGWK	Stainless Steel	Aluminum Bronze	Set Screw
Clamping	MFJCGWK	Stainless Steel	Aluminum Bronze	Hex Socket Head Cap Screw

Part Number		d ₁ , d ₂ Selection (d ₁ ≤d ₂)								Set Screw				Unit Price		
Type	D									d ₃	L	ℓ	F		M	Tightening Torque (N·m)
MFJGWK	45	15	16	18	20					22.5	43.6	15	7.5	M 5	3.6	
	55			20	22	24	25			29	49.4	17	8.5	M 6	6.0	
	70				25	28	30	35		36	57.0	20	10	M 8	14.0	

Part Number		d ₁ , d ₂ Selection (d ₁ ≤d ₂)								Clamp Screw				Unit Price			
Type	D									d ₃	L	ℓ	F		A	M	Tightening Torque (N·m)
MFJCGWK	45	15	16	18	20					22.5	46	16.2	6	14.5	M5	*10	
	55			20	22	24	25			29	57	20.8	7	18.5	M6	*15	

⚠ * When the shaft diameter is small, clamp screw tightening torque should be higher than the prescribed value to prevent shaft slipping. The above tightening torque is for reference.

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)	Allowable Axial Misalignment (mm)	Mass (g)
MFJGWK	45	60	1	65000	10000	1.7 x 10 ⁻⁴	±0.3	400
	55	90	1.2	100000		3.3 x 10 ⁻⁴	±0.5	700
	70	160	1.6	180000		11 x 10 ⁻⁴	±0.6	1300

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)	Allowable Axial Misalignment (mm)	Mass (g)
MFJCGWK	45	50	1	0.8	35000	1.8 x 10 ⁻⁴	±0.3	450
	55	75	1.0	52000	5000	3.3 x 10 ⁻⁴	±0.5	800

Ordering Example

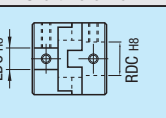

Part Number	-	Shaft Bore Dia. d ₁	-	Shaft Bore Dia. d ₂
MFJGWK45	-	15	-	20
MFJCGWK55	-	22	-	25

Alterations

Part Number	-	Shaft Bore Dia. d ₁ (LDC)	-	Shaft Bore Dia. d ₂ (RDC)	-	(KLH, KRH)
MFJGWK45	-	LDC19	-	RDC19	-	KLH8 KRH8
MFJCGWK55	-	22	-	25	-	KLH8

Keyway Dimension

Shaft Bore Dia. d ₁ , d ₂	b	Reference Dia. Tolerance	t	Reference Dia. Tolerance	Key Nominal Dim. b×h
14~17	5	±0.0150	2.3	+0.1	5x5
17.1~22	6		2.8	0	6x6
22.1~30	8		3.3	+0.2	8x7
30.1~38	10			0	10x8

Alterations	Shaft Bore Dia.	Keyway Width									
Spec.		Keyway Width (b) is changed as the table below.									
		Ordering Code: KLH8 KRH8									
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Shaft Bore Dia. d₁, d₂</th> <th>KLH, KRH(b)</th> <th>t</th> </tr> </thead> <tbody> <tr> <td>22</td> <td>8</td> <td>±0.0180</td> </tr> <tr> <td>30</td> <td>10</td> <td>3.3</td> </tr> </tbody> </table>	Shaft Bore Dia. d ₁ , d ₂	KLH, KRH(b)	t	22	8	±0.0180	30	10	3.3
		Shaft Bore Dia. d ₁ , d ₂	KLH, KRH(b)	t							
22	8	±0.0180									
30	10	3.3									
<p>⊗ Cannot be combined with shaft bore change (LDC, RDC) alterations.</p> 											
Code	LDC (Left Shaft) RDC (Right Shaft)	KLH (Left Shaft) KRH (Right Shaft)									