

LK4

Series

Oldham Coupling - Clamp Type

Features

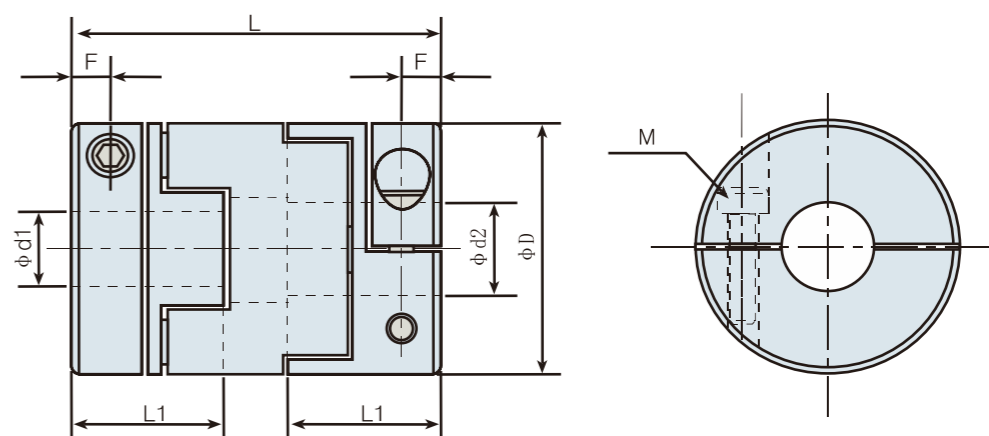
- Allows high parallel and angular misalignment
- High torsional stiffness and response
- Simple configuration enables ease of assembly
- Resistance to oil and electrical insulation

Order Information

LK4	C32	10	H7	14	H7
Series No.	Size	Finish bore d1	Tolerance Blank: H8	Finish bore d2	Tolerance Blank: H8
	Blank: Standard K: Keyway both ends				

Keyway Note:

When both bores are with keyway, code "K" should be added after the outer diameter of the coupling. If only one bore is with keyway, code "K" should be added after the tolerance code of the relative bore size only (Do not add to the outer diameter). If any customized dimension required, please consult us.



Dimensions

Unit: mm

Model	Phi d1 Phi d2		Phi D	Phi D1	L	F	F1	L1	Screw	Tightening Torque (N.m)
	Min. Bore	Max. Bore								
LK4-C12S-□□-□□	3	5	12	15	15	2.5	4.25	6.9	M2	0.4-0.5
LK4-C16S-□□-□□	3	6	16	18	21	3.5	5.5	9.9	M2.5	1.0-1.1
LK4-C20S-□□-□□	5	8	20	21	22.5	3.5	7	10.35	M2.5	1.0-1.1
LK4-C25S-□□-□□	6.35	10	25	26	27.5	3.85	8.75	12.42	M3	1.5-1.9
LK4-C32S-□□-□□	6.35	14	32	34.5	33	4.7	11.5	14.9	M4	3.4-4.1
LK4-C35S-□□-□□	10	16	35	36.5	35	5	12.75	16	M4	3.4-4.1
LK4-C44S-□□-□□	12	22	44	46.5	46	7.5	16.5	21.5	M5	7.0-8.5
LK4-C55S-□□-□□	18	25	55	58.5	57	9.5	20.25	27	M6	14-15
LK4-C70S-□□-□□	20	30	70	75	77	13.5	27	36.5	M8	30-35
LK4-C16-□□-□□	3	6	16	17	30	3.25	5	13	M2.5	1.0-1.1
LK4-C20-□□-□□	5	8	20	20	33	3.25	6.5	14	M2.5	1.0-1.1
LK4-C25-□□-□□	5	10	25	25.5	39	4	8	17	M3	1.5-1.9
LK4-C32-□□-□□	8	14	32	32.5	45	4.8	11	19.8	M4	3.4-4.1
LK4-C40-□□-□□	12	16	40	40.5	50	5.9	13.5	22.5	M5	7.0-8.5
LK4-C50-□□-□□	16	22	50	50.5	58	7.25	17	27	M6	14-15
LK4-C63-□□-□□	18	25	63	63	71	9	21.5	33	M8	30-35

Note:

1. For other bore sizes which are not listed above, customized ones are available, please consult us.
2. Standard bore tolerance is for the shaft with tolerance h7 or h8, if other tolerance is required, please consult us.

Specifications

Model	Rated Torque (N.m)	Max. Rotation Speed (rpm)	Moment of Inertia (Kg.m ²)	Static Torsional Stiffness (N.m / rad)	Allowable Misalignment			N.W. (g)
					Eccentricity (mm)	Angularity (°)	Shaft End-play (mm)	
LK4-C12S-□□-□□	0.2	52000	5.2x10 ⁻⁸	25	0.6	3	-	3
LK4-C16S-□□-□□	0.4	39000	2.9x10 ⁻⁷	29	1	3	-	8
LK4-C20S-□□-□□	0.7	31000	8.8x10 ⁻⁷	58	1.4	3	-	13
LK4-C25S-□□-□□	1.2	25000	2.7x10 ⁻⁶	140	1.9	3	-	24
LK4-C32S-□□-□□	2.8	19000	8.3x10 ⁻⁶	280	2.5	3	-	48
LK4-C35S-□□-□□	4.5	16000	8.6x10 ⁻⁶	290	2.5	3	-	68
LK4-C44S-□□-□□	12.5	13000	3.9x10 ⁻⁵	560	3	3	-	130
LK4-C55S-□□-□□	20	10000	1.0x10 ⁻⁴	840	3.5	3	-	240
LK4-C70S-□□-□□	40	8000	4.1x10 ⁻⁴	2100	4	3	-	450
LK4-C16-□□-□□	0.7	39000	4.0x10 ⁻⁷	31	1	3	-	11
LK4-C20-□□-□□	1.2	31000	1.1x10 ⁻⁶	60	1.5	3	-	19
LK4-C25-□□-□□	2	25000	3.0x10 ⁻⁶	140	2	3	-	35
LK4-C32-□□-□□	4.5	19000	9.3x10 ⁻⁶	280	2.5	3	-	63
LK4-C40-□□-□□	9	15000	2.7x10 ⁻⁵	540	3	3	-	120
LK4-C50-□□-□□	18	12000	7.9x10 ⁻⁵	820	3.5	3	-	223
LK4-C63-□□-□□	36	10000	3.9x10 ⁻⁴	1900	4	3	-	425

Note:

1. Moment of inertia and unit N.W. are based on the maximum bore & shaft size.
2. Torque rigidity is the measured value of component part.
3. Max. rotation speed does not take dynamic balance into account.