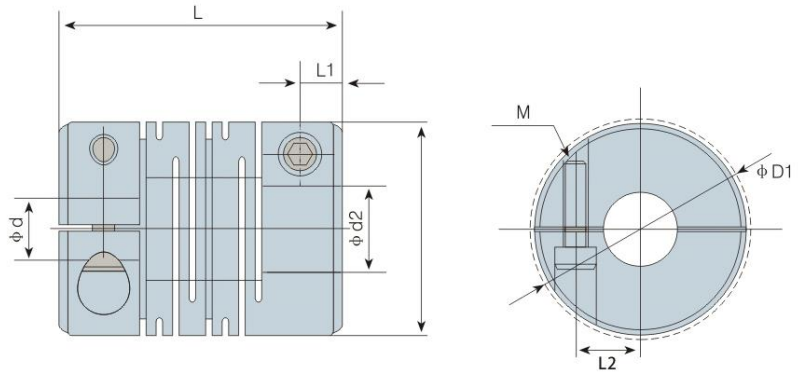
Parallel : LK7 Series Clamp Type

- One-piece metallic spring coupling
- Zero backlash
- Absorption of parallel, angular misalignment and shaft end-play by spring action
- Identical clockwise and anticlockwise rotational characteristics
- Material: Aluminium alloy and stainless steel



Dimensions (mm)

Part No.	d1-d2		ΦD	ΦD1	L	L1	L2	M	Tightening Torque (N.m)
	Min Bore	Max Bore							
LK7-C12	3	5	12	14	18.5	2.5	3.8	M2	0.4-0.5
SLK7-C12	3	5	12	14	18.5	2.5	3.8	M2	0.4-0.5
LK7-C16	4	6.35	16	16.5	23	3.25	5.1	M2.5	1.0-1.1
SLK7-C16	4	6.35	16	16.5	23	3.25	5.1	M2.5	1.0-1.1
LK7-C20	5	9.525	20	20.5	26	3.75	6.8	M2.5	1.0-1.1
SLK7-C20	5	9.525	20	20.5	26	3.75	3.8	M2.5	1.0-1.1
LK7-C25	5	12	25	25	31	4.25	8.5	M3	1.5-1.9
SLK7-C25	5	12	25	25	31	4.25	8.5	M3	1.5-1.9
LK7-C32	6	14	32	32	41	6.0	10.0	M4	3.4-4.1
SLK7-C32	6	14	32	32	41	6.0	10.0	M4	3.4-4.1
LK7-C40	8	18	40	40	56	8.5	13	M5	7.0-8.5
SLK7-C40	8	18	40	40	56	8.5	13	M5	7.0-8.5
LK7-C50	12	19	50	50	71	10.5	16	M6	14-15
SLK7-C50	12	19	50	50	71	10.5	16	M6	14-15
LK7-C63	12	24	63	63	90	13	19	M8	27-30
SLK7-C63	12	24	63	63	90	13	19	M8	27-30

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

Part No.	Rated Torque (N.m)	Max.Rotational Frequency (rpm)	Moment of Inertia ($Kg.m^2$)	Static Torsional Stiffness (N.m/rad)	Errors of Eccentricity (mm)	Errors of Angularity (°)	Errors of Shaft End-play (°)	N.W. (g)
LK7-C12	0.4	10000	$9.0x10^{-8}$	34	0.1	1.5	± 0.3	4.3
LK7-C16	0.5	9300	$3.4x10^{-7}$	46	0.1	1.5	± 0.3	9.3
LK7-C20	1	7500	$9.4x10^{-7}$	118	0.1	1.5	± 0.3	16
LK7-C25	2	6000	$2.7x10^{-6}$	167	0.15	1.5	± 0.35	28
LK7-C32	4	4600	$9.6x10^{-6}$	228	0.15	1.5	± 0.35	63
LK7-C40	6.3	3600	$3.3x10^{-5}$	346	0.2	1.5	± 0.35	143
LK7-C50	11	3000	$1.0x10^{-4}$	580	0.2	1.5	± 0.35	274
LK7-C63	16	2200	$3.2x10^{-4}$	843	0.2	1.5	± 0.35	562
SLK7-C12	0.5	10000	$2.5x10^{-7}$	62	0.1	1.5	± 0.3	12
SLK7-C16	0.6	93000	$9.5x10^{-7}$	83	0.1	1.5	± 0.3	26
SLK7-C20	1.2	7500	$2.6x10^{-6}$	246	0.1	1.5	± 0.3	45
SLK7-C25	2.2	6000	$7.6x10^{-6}$	315	0.15	1.5	± 0.35	79
SLK7-C32	4.4	4600	$2.7x10^{-5}$	845	0.15	1.5	± 0.35	178
SLK7-C40	7.5	3600	$9.6x10^{-5}$	990	0.2	1.5	± 0.35	410
SLK7-C50	13	3000	$2.8x10^{-4}$	1380	0.2	1.5	± 0.35	773
SLK7-C63	19	2200	$9.0x10^{-4}$	1790	0.2	1.5	± 0.35	1583

Note:
1. Moment of inertia and weight are based on the maximum size bores.
2. Dynamic balance is not accounted for in calculating maximum speed.