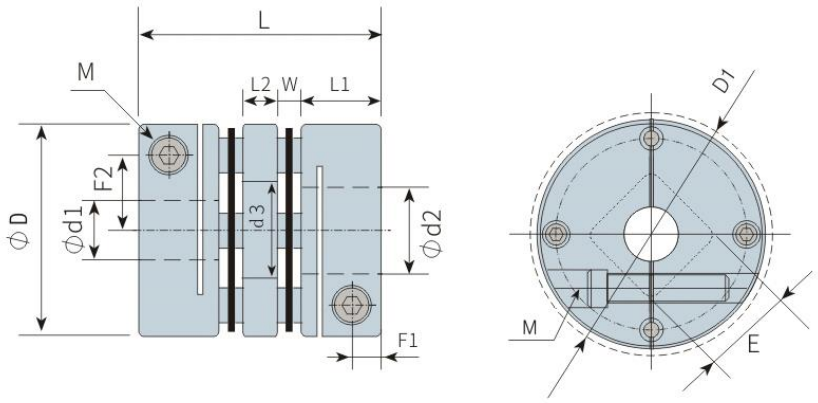
Double Plate Springs: LK5 Series Clamp Type

- High torque capacity and excellent response
- Zero backlash
- Identical clockwise and anticlockwise rotational characteristics
- Stainless steel plate springs absorb angular misalignment and shaft end-play
- Suitable as a connector for servomotor/ stepper motor
- Clamp Type



Dimensions (mm):

Part. No.	d1-d2		D	L	D1	W	L1	L2	F1	F2	d3	E	M	Tightening Torque (Nm)
	Min Bore	Max Bore												
LK5-C12 WP	3	5	12	15.9	12.5	0.55	5.9	3.0	1.8	4	5.6	5.5	M1.6	0.23-0.28
LK5-C15 WP	3	5	15	20	17	1.25	7.6	2.3	2.5	5	5	5.4	M2	0.4-0.5
LK5-C16 WP	3	6	16	23	17	1.25	7.9	4.8	2.6	4.8	6.5	6.2	M2	0.4-0.5
LK5-C19 WP	3	8	19.5	27.8	21	2.3	9.2	4.8	3.35	6.5	8.5	8.5	M2.5	1.0-1.1
LK5-C26 WP	4	10	26	35	27	2.8	11.4	6.7	4	9	12.5	10.6	M3	1.5-1.9
LK5-C27 WP	4	14	27	32.9	27.5	2.8	11	5.3	3.85	10	14.5	14.5	M3	1.5-1.9
LK5-C30 WP	6	14	30	35	30	3.1	11.4	6.1	4	10	16	14.5	M3	1.5-1.9
LK5-C34S WP	6.35	14	34	41	34	3.6	13.4	7.0	4.75	12	16	14.5	M4	3.4-4.1
LK5-C34 WP	6.35	14	34	45	34	3.6	14.5	8.8	4.75	12	16	17.1	M4	3.4-4.1
LK5-C39 WP	8	16	39	49	39	4.5	15.0	10.0	5	13	17	20.5	M4	3.4-4.1
LK5-C44 WP	9	19	44	50	44	4.8	15.0	10.4	5	16	20	23	M4	3.4-4.1
LK5-C50 WP	10	22	50	57	52	5.5	17.5	11.0	5.75	19	24	26	M5	7.0-8.5
LK5-C56 WP	11	24	56	63	56	5.5	20.0	12.0	6.9	22	28	30.5	M5	7.0-8.5
LK5-C62 WP	14	30	62	69.5	62	3.0	24.0	15.5	7.55	23	31	31	M6	14-15
LK5-C68 WP	14	35	68	74.0	68	6.0	24.0	14.0	7.05	26.5	36	38	M6	14-15
LK5-C82 WP	18	35	82	98	82	8.0	30.0	22.0	9.4	30.5	41	38	M8	27-30
LK5-C94 WP	25	40	94	98	94	8.5	30.0	21.0	9.4	36	41	41	M10	55-60
LK5-C104 WP	35	45	104	102.0	104	10.0	30.0	22.0	9.9	41	46	45	M10	55-60

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 (Nm)	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 Angularity (mm)	N.W. (g)
LK5-C12 WP	0.25	10000	$7.67x10^{-8}$	133	0.03	1	±0.08	3.7
LK5-C15 WP	0.6	10000	$3.45x10^{-7}$	196	0.04	1	±0.1	7
LK5-C16 WP	0.6	10000	$3.58x10^{-7}$	255	0.05	1	±0.1	10
LK5-C19 WP	1.0	10000	$9.1x10^{-7}$	700	0.11	2	±0.2	17
LK5-C26 WP	2.0	10000	$3.61x10^{-6}$	1850	0.15	2	±0.33	37
LK5-C27 WP	2.2	10000	$4.4x10^{-6}$	2200	0.15	2	±0.33	40
LK5-C30 WP	4.0	10000	$6.18x10^{-6}$	2850	0.16	2	±0.38	46
LK5-C34S WP	5.0	10000	$1.19x10^{-5}$	4050	0.18	2	±0.4	72
LK5-C34 WP	5.0	10000	$1.33x10^{-5}$	4050	0.18	2	±0.4	80
LK5-C39 WP	10	10000	$2.58x10^{-5}$	9000	0.24	2	±0.5	118
LK5-C44 WP	12	10000	$4.23x10^{-5}$	10000	0.24	2	±0.6	150
LK5-C50 WP	15	10000	$8.18x10^{-5}$	13000	0.26	2	±0.7	222
LK5-C56 WP	25	10000	$1.41x10^{-4}$	16000	0.28	2	±0.8	307
LK5-C62 WP	40	10000	$2.52x10^{-4}$	25000	0.31	2	±0.84	431
LK5-C68 WP	60	10000	$3.57x10^{-4}$	35000	0.34	2	±0.9	499
LK5-C82 WP	100	10000	$1.02x10^{-3}$	45000	0.52	2	±1.1	1004
LK5-C94 WP	180	10000	$1.79x10^{-3}$	50000	0.52	2	±1.3	1400
LK5-C104 WP	250	10000	$2.76x10^{-3}$	60000	0.55	2	±1.5	1765

Note:
Moment of inertia and mass figures are based on the maximum shaft bores.
Torque rigidity is the measured value based on component testing.
Dynamic balance is not accounted for in calculating maximum speed.