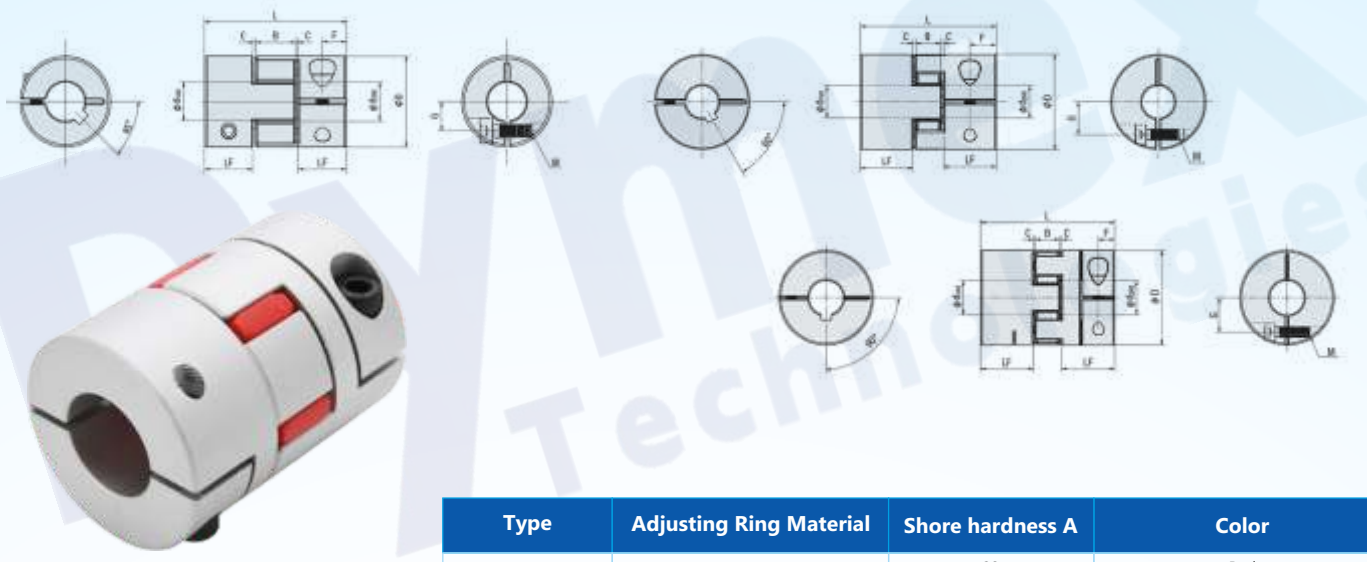
Jaw Couplings Clamping Type

Dymex Technologies

- Dimensional Drawing
- Keyway specifications require selecting additional machining parameters LK/RK
  DE-LMPJC
  Outer diameter Ø14–Ø30



Type	Adjusting Ring Material	Shore hardness A	Color
DE-LMPJC	Polyurethane	98	Red
DE-LMPJY		90	Yellow
DE-LMPJB		80	Blue

- Be sure to use a torque wrench to tighten the bolts according to the specified tightening torque in the specification table to avoid thread stripping caused by excessive force.
  Keyway specifications require selecting additional machining parameters LK/RK

Specification Overview

Material Table

Part	M Material	S Surface Treatment	A Accessories
Hub	Aluminum Alloy	Anodized Finish	Hex Socket Volt
Adjustment Ring	Polyurethane	—	

Type			❸d1 and ❹d2 selection (but d1 ≤ d2)	LF	B	C	F	Inner bore Ød	Locking bolt (M)	G
❶Type	❷D	L								
	14	L22	3 4 5 6 6.35	7.5	6.2	0.4	3.75	Ø3-Ø4	2.5	4
								Ø5-Ø6.35	2	4.5
	20	L30	3 4 5 6 6.35 7 8 9 9.525 10	10.3	8	0.7	5.1	Ø3-Ø8	3	6.3
								Ø9-Ø10	2.5	7
	25	L30	5 6 6.35 7 8 9 9.525 10 11 12 12.7 13 14	8.85	10.3	1	4.4	Ø5-Ø10	4	8
								Ø11-Ø14	3	9.5
DE-LMPJC (adjustment ring red)	25	L34	5 6 6.35 7 8 9 9.525 10 11 12 12.7 13 14	10.85	10.3	1	5.4	Ø5-Ø10	4	8
								Ø11-Ø14	3	9.5
	30	L35	5 6 6.35 7 8 9 9.525 10 11 12 12.7 13 14 16	11.7	10	0.8	5.8	Ø5-Ø14	4	9.7
DE-LMPJY (adjustment ring yellow)	35	L50	8 9 9.525 10 11 12 12.7 13 14 15 16 17 18 15 20	19.35	9.3	1	9.7	Ø15-Ø16	3	10.5
								Ø8-Ø18	4	12
								Ø19-Ø20	3	13
	40	L55	8 9 9.525 10 11 12 12.7 13 14 15 16 17 18 19 20 22	20.6	10.8	1.5	10.3	Ø8-19	5	13
								Ø20-Ø22	4	14.8
DE-LMPJB (Adjustment ring blue)	40	L66	8 9 9.525 10 11 12 12.7 13 14 15 16 17 18 19 20 22	26.1	10.8	1.5	7.5	Ø8-19	5	13
								Ø20-Ø22	4	14.8
	55	L78	12 12.7 13 14 15 16 17 18 19 20 22 24 25 19 30	30.8	13.9	1.3	9.5	Ø12-Ø30	6	20
	65	L90	14 15 16 17 18 19 20 22 24 25 28 30 32 28 38	36	15	1.5	12	Ø14-Ø35	8	23.5
								Ø38	6	25
	80	L114	19 20 22 24 25 28 30 32 35 38 40 42 45 35	45.75	18.5	2	15	Ø19-Ø45	8	29
	95	L126	20 22 24 25 28 30 32 35 38 40 42 45 50 55	51.3	20.4	1.5	15.5	Ø20-Ø50	10	34
								Ø55	10	35
	105	L140	20 22 24 25 28 30 32 35 38 40 42 45 50 55 60	57.3	20.4	2.5	17.5	Ø20-Ø60	10	38

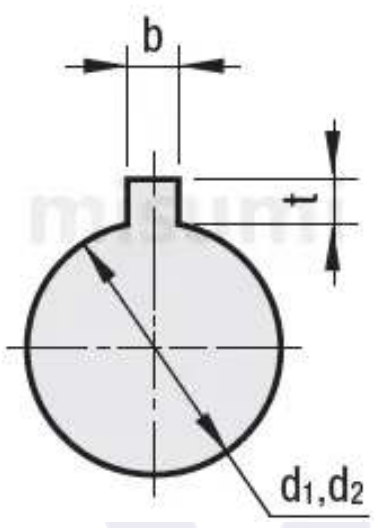
- Please adjust the shaft insertion amount according to the "LF" dimensions in the catalog.
- The red adjustment ring in the center of the standard product is solid.

Type			Rated Torque (N·m)			Allowable Angular Misalignment (°)	Allowable Eccentricity (mm)			Static Torsional Stiffness (N·m/rad)			Maximum Speed (r/min)	Moment of Inertia (kg·m2)	Allowable Axial Amplitude (mm)	Locking Torque (N·m)	Weight g
Type	D	L	DE-LMPJC	DE-LMPJY	DE-LMPJB		DE-LMPJC	DE-LMPJY	DE-LMPJB	DE-LMPJC	DE-LMPJY	DE-LMPJB					
DE-LMPJC (adjustment ring red)	14	L22	1.1	0.7	0.4	1	0.02	0.03	0.04	46	28	17	19000	2.0 × 10-7	±0.6	11	10
	20	L30	2.8	1.7	1	1	0.02	0.03	0.04	55	33	20	17000	1.1 × 10-6	±0.6	3.5	19
	25	L30	6	3.6	2.1	1	0.02	0.03	0.04	65	39	24	16000	5.2 × 10-6	±0.6	3.5	33
	25	L34				1	0.02	0.03	0.04	65	39	24	16000	5.2 × 10-6	±0.6	3.5	42
DE-LMPJY (adjustment ring yellow)	30	L35	6.5	3.9	2.3	1	0.02	0.03	0.04	72	43	26	12000	6.2 × 10-6	±0.6	3.5	50
	35	L50	15	9	5.3	1	0.02	0.03	0.04	200	120	72	10000	8.1 × 10-6	±0.6	8	45
	40	L55	32	19	11	1	0.02	0.03	0.04	500	300	180	10000	3.8 × 10-5	±0.8	8	127
	40	L66				1	0.02	0.03	0.04	550	330	198	10000	3.9 × 10-5	±0.8		154
DE-LMPJB (Adjustment ring blue)	55	L78	46	28	16	1	0.02	0.03	0.04	1500	900	540	8000	1.6 × 10-3	±0.8	13	341
	65	L90	109	66	38	1	0.02	0.03	0.04	2800	1680	1008	6000	2.5 × 10-3	±0.8	28	583
	80	L114	135	81	47	1	0.02	0.03	0.04	3500	2100	1260	4600	2.8 × 10-3	±1.0	28	1000
	95	L126	250	150	88	1	0.02	0.03	0.04	5000	3000	1800	3800	3.0 × 10-3	±1.0	40	1500
	105	L140	420	252	147	1	0.02	0.03	0.04	5400	3240	1944	3400	3.2 × 10-3	±1.0	75	2000

- Allowable torque varies with temperature.

Additional machining - keyway

Keyway Dimensions

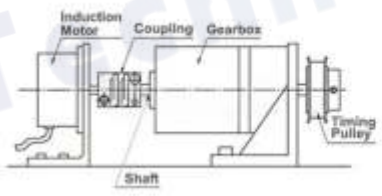


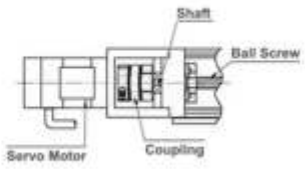
Shaft Bore Diameter ❸d1·❹d2	b (Keyway width) LK	b (Keyway width) RK	t Keyway Depth	Key Nominal Size Keyway Depth b × h
6 to 8	2	2	1	2 × 2
8 to 10	3	3	1.4	3 × 3
11 to 12	4	4	1.8	4 × 4
12.7 to 17	5	5	2.3	5 × 5
18 to 22	6	6	2.8	6 × 6
23 to 30	8	8	3.3	8 × 7
31 to 38	10	10	3.3	10 × 8
39 to 44	12	12	3.3	12 × 8
45 to 50	14	14	3.8	14 × 9
51 to 58	16	16	4.3	16 × 10
59 to 65	18	18	4.4	18 × 11
66 to 75	20	20	4.9	20 × 12
76 to 85	22	22	5.4	22 × 14
86 to 95	25	25	5.4	25 × 14

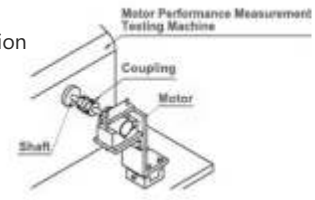
Basic Specifications

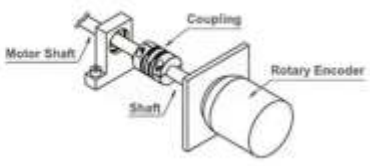
- **Series Name -** Jaw
- **Body Material -** Aluminum Alloy
- **Buffer Material -** Polyurethane
- **Application -** Standard / For Servo Motors / Stepping Motor
- **Allowable Angular Misalignment (deg)** - 1
- **Shaft Tightening Method -** Fastening Bolt
- **Features -** High Torque Type / Low Moment of Inertia / Vibration Insulation
- **Product Category -** Coupling Main Body
- **Shaft Hole Shape -** Standard

Example of Use









Please follow the selection steps to , choose the type and parameters, and then place your order.

ORDERING GUIDE

Part Number — ③d_1 — ④d_2

Type (①Type·②DL)

DE-LMPJC20L30	—	7	—	8
DE-LMPJC30L35	—	7	—	9

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