

Aluminum alloy cross-slider clamping coupling



Please order according to the diagram

①~④ Select the type and parameters in the order of for ordering.

■ Optional Processing

Model (①Code ②D) - ③d - ④c - (Dd Dc)
FDLJ16 - d4 - c6 - Dd



Discounted Price
Quantity 1~9 10~
Price 100% Separate Quotation
Price Excluding Tax (Yen)



CAD 2D 3D

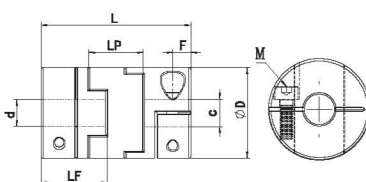
Code	Type	Material		Surface Treatment	Accessories
		Main Body/Spacer Ring	PA66		
FDLJ	Screw Clamp Type	Aluminum Alloy	PA66	Anodic Oxidation	Hex Socket Head Cap Screw

◆ It is recommended to use H7 tolerance for shaft diameter and inner bore tolerance.

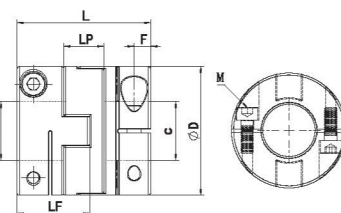
Features

- The shaft sleeve is made of high-strength aluminum alloy
- The colloidal material is imported PA66, with good wear resistance, corrosion resistance, and electrical insulation
- Sliding design can more effectively compensate radial and angular deviations
- Detachable design for easy installation
- Clamping screw fastening method

Outer Diameter $\phi 16 \sim \phi 44$



Outer Diameter $\phi 50 \sim \phi 70$



Model		L	Common Shaft Bore Sizes ③d/④c (Please specify the shaft bore diameter within the range of dSc with a tolerance of H7)	LF	LP	F	Fastening Bolt	
① Code	② ΦD						M	Tightening Torque (N.m)
FDLJ	16	29	4-5-6-6.35	12.5	12	3	M2.5	1
	20	33	5-6-6.35-7-8	14.1	12.7	3.8	M2.5	1
	25	39	5-6-6.35-8-9-9.525-10-11-12	16.9	17.7	3.9	M3	1.5
	32	45	5-6-8-9-9.525-10-11-12-12.7-14-15-16	20	20	4.5	M4	3.5
	40	50	8-9-9.525-10-11-12-14-15-16-17-18-19	23	20.3	5.5	M5	8
	44	46	8-9-9.525-10-11-12-14-15-16-17-18-19-20-22	25	14	7.8	M5	8
	50	53	10-11-12.7-14-15-16-17-18-19-20-22-24	24.2	22.35	7.5	M6	13
	50A	58	10-11-12.7-14-15-16-17-18-19-20-22-24	26.5	22.35	6.3	M6	13
	55	57	10-11-12.7-14-15-16-17-18-19-20-22-24-25-28	31	17	6.3	M6	13
	63	71	14-15-16-17-18-19-20-22-24--25-28-30-32	32.8	26.2	7.8	M8	28
	70	77	14-15-16-17-18-19-20-22-24-25-28-30-32-35-38	36.8	25	7.7	M8	28

◆ Note: For any other size requirements, please contact customer service, sales representatives, or other relevant technical personnel for detailed parameters.

Technical Specification Table

Model		L	Rated Torque (N.m)	Allowable Eccentricity (mm)	Allowable Angular Misalignment ($^{\circ}$)	Allowable Axial Deviation (mm)	Allowable Rotational Speed (RPM)	Static Torsional Rigidity (N.m/rad)	Moment Inertia (kg.m ²)	Weight (g)
① Code	② ΦD									
FDLJ	16	29	0.7	0.8	3	± 0.2	9000	30	3.5×10^{-7}	12
	20	33	1.2	1.2	3	± 0.2	7000	58	1.5×10^{-6}	19
	25	39	2	1.6	3	± 0.2	6000	130	3.2×10^{-6}	35
	32	45	4.5	2	3	± 0.2	4800	270	1.5×10^{-5}	67
	40	50	9	2.4	3	± 0.2	3600	520	4.2×10^{-5}	114
	44	46	12	2.5	3	± 0.2	3500	800	4.5×10^{-5}	140
	50	53	19	2.6	3	± 0.2	3000	800	1.0×10^{-4}	190
	50	58	19	3	3	± 0.2	3000	800	1.1×10^{-4}	215
	55	57	25	3.2	3	± 0.2	3000	900	1.3×10^{-5}	260
	63	71	33	3	3	± 0.2	2550	1200	3.5×10^{-4}	455
	70	77	56	3.5	3	± 0.2	2500	1260	4.1×10^{-4}	520

◆ Note: The above moment of inertia and technical parameters are measured based on the maximum bore size. The maximum rated torque is associated with the durability of the coupling itself. The larger the outer diameter, the greater the force it can bear, and the smaller the outer diameter, the higher the allowable rotational speed.

◆ See the following for keyway machining and changes to bore size P236.