

Aluminum Alloy Stepped Clamp Coupling ▶ Double Diaphragm



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

FBLTJ34 — d5 — c6 — Dd



Quantity	1~9	10~
Price	100%	Separate Quotation

Pine Excluding Tax/Vat

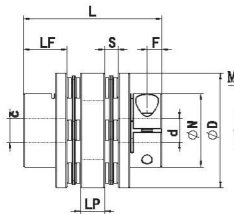


CAD 2D 3D

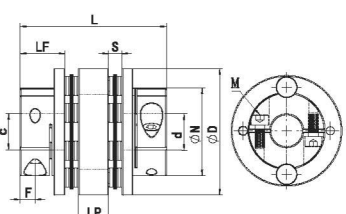
Features

- Shaft sleeve made of high-strength aluminum alloy.
- Membrane made of 304 stainless steel.
- High torque rigidity, accurate control of shaft rotation, suitable for high-precision control.
- Specifically designed for servo and stepper motors.
- Zero-clearance connection between shaft and shaft sleeve, suitable for both forward and reverse rotation.
- Low inertia, suitable for speed-regulated operation.
- Secured with clamp screws.

Outer Diameter $\Phi 34 \sim \Phi 44$



Outer Diameter $\Phi 50 \sim \Phi 82$



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

Model		ΦN	L	Common Shaft Bore Sizes $\Phi d/D$ c (Please specify the shaft bore diameter within the range of d/c with a tolerance of H7)	LF	LP	S	Fastening Bolt	
① Code	② ΦD							M	Tightening Torque(N.m)
FBLTJ	34	21.6	38	5-6-6.35-7-8-9-9.525-10-11-12	12.25	6.5	3.5	M3	1.5
	39	25	47	6-8-9-9.525-10-11-12-12.7-14-15	14.9	8.2	4.5	M4	3.5
	44	29.6	47	6-8-9-9.525-10-11-12-12.7-14-15-16-17-18	14.9	8.2	4.5	M4	3.5
	50	35	53	10-11-12-12.7-14-15-16-17-18-19-20	18.6	6.2	4.8	M5	8
	56	38	57	10-12-12.7-14-15-16-17-18-19-20-22-24	19.75	6.5	5.3	M5	8
	68	46	68	14-15-16-17-18-19-20-22-24-25-28-30	23.35	8.7	6.3	M6	13
	82	56	87	17-18-19-20-22-24-25-28-30-32-35-38	30	11.3	8	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		ΦN	L	Rated Torque (N.m)	Allowable Eccentricity (mm)	Allowable Angular Misalignment ($\angle^{\circ}$)	Allowable Axial Deviation (mm)	Allowable Rotational Speed (RPM)	Static Torsional Rigidity (N.m/rad)	Moment Inertia (kg.m ²)	Weight (g)
❶ Code	❷ ΦD										
FBLTJ	34	21.6	38	2	0.12	1.5	±0.18	10000	1300	6.95×10 ⁻⁶	19
	39	25	47	4.5	0.15	1.5	±0.23	10000	2200	7.5×10 ⁻⁶	85
	44	29.6	47	6.75	0.17	1.5	±0.27	10000	2800	9.1×10 ⁻⁶	107
	50	35	53	15	0.17	1.5	±0.30	10000	3500	3.1×10 ⁻⁵	151
	56	38	57	20	0.17	1.5	±0.36	10000	4000	8.7×10 ⁻⁵	196
	68	46	68	50	0.18	1.5	±0.40	9000	6200	2.3×10 ⁻⁴	374
	82	56	87	75	0.18	1.5	±0.50	8000	8300	2.1×10 ⁻⁴	645

◆ 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.

Optional Processing	Keyway Machining on d-Bore Side		Keyway Machining on c-Bore Side	
	Code	Dd	Code	Dc
Optional Processing				
		Selection Method Dd Not for use with optional processing of dh and ch.		Selection Method Dc Not for use with optional processing of dh and ch.

① Keyway machining can be selected when the bore size is ≥ 6 .

② See the following for keyway machining and changes to bore size P236.