

45# Steel Stepped Clamp Coupling ▶ Single 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
FBCSJ56 — d12 — c14 — Dd



Discounted Price

Quantity 1~9 10~
Price 100% Separate Quotation

Please Excluding Tax (¥/pc)



CAD 2D 3D

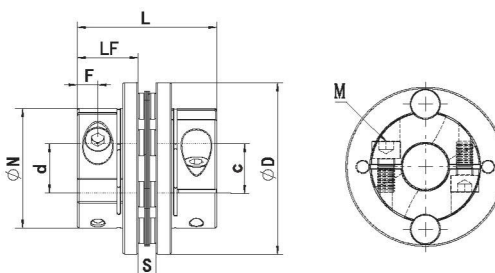
Features

- Membrane made of 304 stainless steel.
- Accurate control of shaft rotation, suitable for high-precision control.
- Specially designed for servo and stepper motors.
- High torque rigidity and large torque transmission.
- Zero-clearance connection between shaft and shaft sleeve, suitable for both forward and reverse rotation.
- Shaft sleeve made of 45# steel.
- Secured with clamp screws.

Code	Type	Material		Surface Treatment	Accessories
		Main Body	Diaphragm		
FBCSJ	Screw Clamp Type Single Diaphragm	45#	Stainless Steel	Black Oxide Finish	Hex Socket Head Cap Screw

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

Outer Diameter $\Phi 56 \sim \Phi 82$



Model		ΦN	L	Common Shaft Bore Sizes $\Phi d/\Phi c$ (Please specify the shaft bore diameter within the range of $d \leq c$ with a tolerance of H7)	LF	S	F	Fastening Bolt	
① Code	② ΦD							M	Tightening Torque (N.m)
FBCSJ	56	38	45	12-12.7-14-15-16-17-18-19-20-22-24	19.75	5.3	6.0	M5	8
	68	46	53	15-16-17-18-19-20-22-24-25	23.35	6.3	7.7	M6	13
	82	56	68	17-18-19-20-22-24-25-28-30-32	30	8	9.0	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 ($^\circ$)	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										
FBCSJ	56	38	45	37	0.1	1	± 0.36	5000	4700	1.5×10^{-4}	420
	68	46	53	90	0.1	1	± 0.40	4500	7200	3.7×10^{-4}	700
	82	56	68	125	0.1	1	± 0.50	4000	9600	5.8×10^{-4}	1304

◆ 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	Optional Processing Code	Keyway Machining on d-Bore Side	Keyway Machining on c-Bore Side
		Dd	Dc
Optional Processing		<p>Selection Method Dd ① Not for use with optional processing of dh and ch.</p>	<p>Selection Method Dc ① Not for use with optional processing of dh and ch.</p>

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

① See the following for keyway machining and changes to bore size P236.