

# 45# Steel 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  
**FBCTJ56 - d12 - c14 - Dd**



**Discounted Price**  
 Quantity 1-9 10-  
 Price 100% Separate Quotation

Please Enquiry To (Fax)



CAD 2D 3D

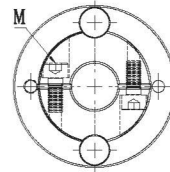
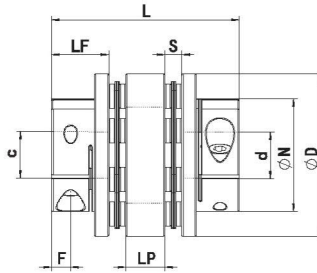
### Features

- 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		
<b>FBCTJ</b>	Screw Clamp Type Double 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	$\Phi N$	L	Common Shaft Bore Sizes $\Phi d/c$ (Please specify the shaft bore diameter within the range of d/c with a tolerance of H7)	LF	LP	S	F	Fastening Bolt		
								M	Tightening Torque(N.m)	
<b>FBCTJ</b>	56	38	64	12-12.7-14-15-16-17-18-19-20-22-24	19.75	13.5	5.3	6.0	M5	8
	68	46	75	15-16-17-18-19-20-22-24-25	23.35	15.7	6.3	7.7	M6	13
	82	56	98	17-18-19-20-22-24-25-28-30-32	30	22	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	$\Phi N$	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 ( $\text{kg}\cdot\text{m}^2$ )	Weight (g)	
											① Code
<b>FBCTJ</b>	56	38	64	37	0.1	1	$\pm 0.36$	5000	4480	$1.8 \times 10^{-4}$	546
	68	46	75	90	0.1	1	$\pm 0.40$	4500	6900	$4.5 \times 10^{-4}$	910
	82	56	98	125	0.1	1	$\pm 0.50$	4000	9300	$7.0 \times 10^{-4}$	1695

• 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	Keyway Machining on d-Bore Side	Keyway Machining on c-Bore Side
	Code	<b>Dd</b>	<b>Dc</b>
Optional Processing			
		Selection Method <b>Dd</b> <span style="color: red;">■</span> Not for use with optional processing of dh and ch.	Selection Method <b>Dc</b> <span style="color: red;">■</span> Not for use with optional processing of dh and ch.

■ Keyway machining can be selected when the bore size is  $\geq 6$ .

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