

# 45# Steel Expansion Sleeve Coupling ▶ Single Diaphragm



Please order according to the diagram

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

Model (①Code ②D) — ③d — ④c  
**FCCSJ56 — d12 — c14**



Discounted Price

Quantity 1~9 10~  
 Price 100% Separate Quotation

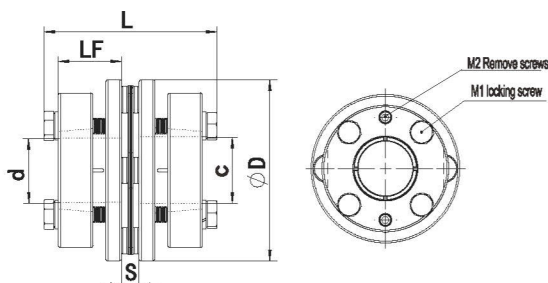
Price Excluding Tax (¥/set)



CAD 2D 3D

Code	Type	Material		Surface Treatment	Accessories
		Main Body	Diaphragm		
<b>FCCSJ</b>	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.



## Features

- High torque rigidity, accurate control of shaft rotation, suitable for high-precision control.
- Membrane-type coupling with expansion sleeve connection.
- Main body made of 45# steel with zero backlash.
- High sensitivity and large torque transmission.
- Identical clockwise and counterclockwise rotation characteristics.
- Stainless steel membrane compensates for angular and axial misalignment.
- Commonly used for connecting servo motors, stepper motors, and lead screws.

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	S	M1	M2
① Code	② ΦD						
<b>FCCSJ</b>	56	65	12-12.7-14-15-16-17-18-19-20-22-24	24.5	8	M5	M5
	68	65	16-17-18-19-20-22-24-25-28-30-32-35	23.25	7.6	M6	M6
	82	70	16-17-18-19-20-22-24-25-28-30-32-35	25	9.1	M6	M6

• 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 Allowable Eccentricity		Rated Torque (nm)	Allowable Angular Misalignment (°)	Allowable Axial Deviation (mm)	Allowable Rotational Speed (RPM)	Static Torsional Rigidity (N.m/rad)	Moment Inertia (kg.m <sup>2</sup> )	Weight (g)
① Code	② ΦD		(N.m)	(mm)							
<b>FCCSJ</b>	56	65	50	0.02	100	0.5	±0.5	15000	4.1×10 <sup>4</sup>	4.2×10 <sup>-4</sup>	680
	68	65	70	0.02	140	0.5	±0.5	13000	5.8×10 <sup>4</sup>	3.5×10 <sup>-4</sup>	904
	82	70	125	0.02	250	0.5	±0.5	11000	6.2×10 <sup>4</sup>	1.0×10 <sup>-3</sup>	1178

• 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.