45# Steel Star-shaped Clamping Coupling

Please order according to the diagram

❶~❹ Select the type and parameters in the order of for ordering.

Model (❶Code ❷D) – ❸d – ❹c – Dd Dc

FECJ30 – d5 – c8 – Dd

■ Optional Processing

Price Excluding Tax (Yuan)

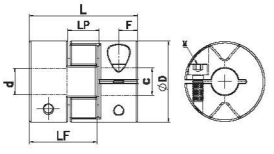
Discounted Price		
Quantity	1~9	10~
Price	100%	Separate Quotation

CAD 2D 3D

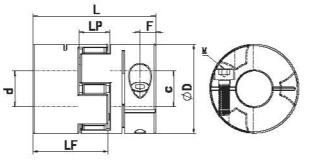
Code	Type	Material		Surface Treatment	Accessories
		Main Body	Specer Ring		
FECJ	Screw Clamp Type	45#	Polyurethane	Black Oxide Finish	Hex Socket Head Cap Screw

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

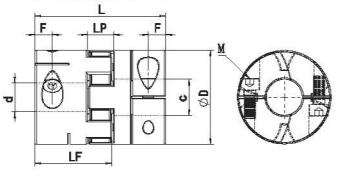
Outer Diameter Φ30



Outer Diameter Φ40



Outer Diameter Φ55~Φ65



■ Features

- Shaft sleeve made of 45# steel
- Zero backlash, suitable for both forward and reverse rotation
- Elastomer made of polyurethane, with good wear resistance
- Oil-resistant and electrically insulating
- Central elastomer absorbs vibrations and compensates for radial, angular, and axial misalignments
- Detachable design for easy installation
- Clamping screw fastening method

Model		L	Common Shaft Bore Sizes ❸d/❹c (Please specify the shaft bore diameter within the range of d≤c with a tolerance of H7)	LF	LP	F	Fastening Bolt	
❶ Code	❷ΦD						M	Tightening Torque(n.m)
FECJ	30	40	5-6-6.35-7-8-9-10-11-12-12.7-14-15-16	25	10.9	7.0	M4	3.5
	40	66	6-8-9-10-11-12-12.7-14-15-16-17-18-19-20-22-24	39.1	13.7	8.0	M5	8
	55	78	12-12.7-14-15-16-17-18-19-20-22-24-25-28-30-32	46.2	16.1	10.3	M5	8
	65	90	14-15-16-17-18-19-20-22-24-25-28-30-32-35-38-40	52.9	16.7	11.9	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 (∠°)	Allowable Axial Deviation (mm)	Allowable Rotational Speed (RPM)	Static Torsional Rigidity (N.m/rad)	Moment Inertia ($kg.m^2$)	Weight (g)
❶ Code	❷ΦD									
FECJ	30	40	9.8	0.02	1	±0.8 0	12000	72	6.2×10^{-6}	135
	40	66	48	0.02	1	±0.8 0	10000	550	3.9×10^{-5}	380
	55	78	69	0.02	1	±0.8 0	8000	1500	1.6×10^{-3}	778
	65	90	164	0.02	1	±0.8 0	6000	2800	3.8×10^{-3}	1329

• 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: Dd	Keyway Machining on c-Bore Side: 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.

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

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