

Stainless Steel Star-shaped Expansion Sleeve Coupling



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
FFU40 — d10 — c12 — Dd



Discounted Price

Quantity 1~9 10~
Price 100% Separate Quotation

Price Excluding Tax (¥/unit)



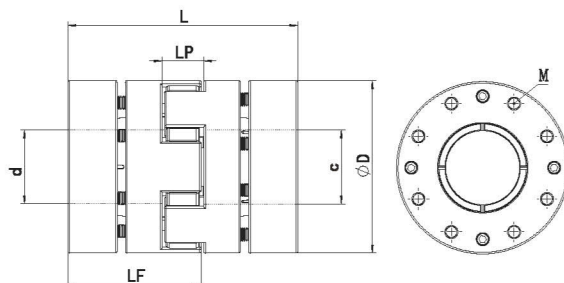
CAD 2D 3D

Features

- Shaft sleeve made of SUS304 stainless steel with excellent corrosion resistance
- Star-shaped elastomer coupling utilizing expansion sleeve connection
- Zero backlash, facilitating easy assembly and disassembly
- High sensitivity with large torque transmission capacity
- Identical clockwise and counterclockwise rotation characteristics
- Central elastomer made of polyurethane
- Absorbs vibrations and compensates for radial, angular, and axial misalignments
- Commonly used for servo motor and stepper motor connections

Code	Type	Material		Accessories
		Main Body	Spacer Ring	
FFU	Screw Clamp Type	Stainless Steel	Polyurethane	Hex Socket Head Cap Screw

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



Model		L	Common Shaft Bore Sizes ③d/④c (Please specify the shaft bore diameter within the range of d/c with a tolerance of H7)	LF	LP	Fastening Bolt	
① Code	② ΦD					M	Tightening Torque(N.m)
FFU	40	66	10-11-12-12.7-14-15-16-17-18-19-20-22	39.1	13.7	M4	1.7
	55	78	12-14-15-16-17-18-19-20-22-24-25-28-30-32	46.2	16.1	M5	4
	65	90	17-18-19-20-22-24-25-28-30-32-35-38	52.9	16.7	M5	4
	80	114	19-20-22-24-25-28-30-32-35-38-40-45	67	22.5	M6	7
	95	126	20-22-24-25-28-30-32-35-38-40-45-46-47-48-50	73.2	24.0	M8	15
	105	140	22-24-25-28-30-32-35-38-40-45-46-47-48-50-60	81.2	26.4	M8	15
	120	160	24-25-28-30-32-35-38-40-45-46-47-48-50-60-65	91.1	27.4	M10	25

• 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)
① Code	② ΦD									
FFU	40	66	19	0.02	1	±0.8 0	15000	550	1.12×10 ⁻³	280
	55	78	68	0.02	1	±0.8 0	13000	1510	4.5×10 ⁻³	700
	65	90	190	0.02	1	±0.8 0	10500	2800	1.9×10 ⁻³	1100
	80	114	270	0.02	1	±0.8 0	8600	3600	1.9×10 ⁻²	1850
	95	126	440	0.02	1	±1.0 0	7200	4700	2.2×10 ⁻²	5680
	105	140	720	0.02	1	±1.0 0	5800	5800	3.3×10 ⁻²	7730
	120	160	1040	0.02	1	±1.0 0	5200	7200	1.03×10 ⁻¹	9300

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