

# Aluminum Alloy Star-shaped Expansion Sleeve Coupling



Please order according to the diagram

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

Model (①Code ②D) — ③d — ④c  
**FFL55 — d12 — c14**



Discounted Price

Quantity Price 1~9 10~  
 100% Separate Quotation

Please Enquiry To Us!



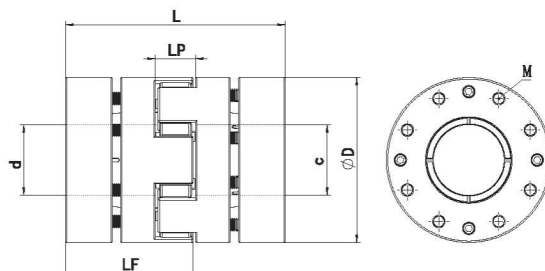
CAD 2D 3D

## Features

- Main body constructed of high-strength aluminum alloy
- Star-shaped elastomer coupling utilizing expansion sleeve connection
- Zero backlash, easy disassembly and assembly
- High sensitivity, 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		Surface Treatment	Accessories
		Main Body	Spacer Ring		
<b>FFL</b>	Screw Clamp Type	Aluminum Alloy	Polyurethane	Anodic Oxidation	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 dsc with a tolerance of H7)	LF	LP	Fastening Bolt	
① Code	② ΦD					M	Tightening Torque(N.m)
<b>FFL</b>	55	78	12-14-15-16-17-18-19-20-22-24-25-28-30-32	46.2	16.5	M5	4
	65	90	17-18-19-20-22-24-25-28-30-32-35-38	52.9	18	M5	4
	80	114	19-20-22-24-25-28-30-32-35-38-40-45	67	22.5	M6	7

• 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 <sup>2</sup> )	Weight (g)
① Code	② ΦD									
<b>FFL</b>	55	78	34	0.02	1	±0.8 0	13000	1510	4.5×10 <sup>-3</sup>	321
	65	90	95	0.02	1	±0.8 0	10500	2800	1.9×10 <sup>-3</sup>	553
	80	114	135	0.02	1	±0.8 0	8600	3600	1.9×10 <sup>-2</sup>	960

• 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.