

Diaphragm Coupling ▶ Screw Clamp Type Single Diaphragm



Please order according to the diagram

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

Model (① Code ② D) — ③ d — ④ c — dh dc — Dd Dc

FALSJ19

d6

c8

Dd

Standard Selection with Keyway Dd/Dc

FALSJ19

dh6.5

c8

Dd

Optional Processing for Variable Bore Size with Keyway



Discounted Price

Quantity 1~9 10~
Price 100% Separate Quotation

Price Excluding Tax (¥/unit)

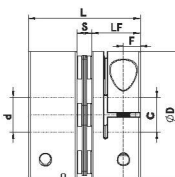


CAD 3D

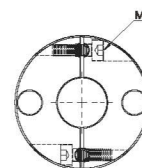
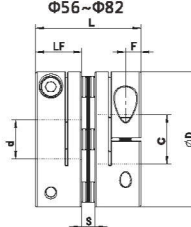
Features

- High sensitivity, high torque, and high rigidity;
- Identical clockwise and counterclockwise rotation characteristics;
- Zero backlash;
- Stainless steel diaphragm compensates for angular and axial misalignment;
- Suitable for servo motor and stepper motor connections.

Outer Diameter
Φ12~Φ44



Outer Diameter
Φ56~Φ82



Code	Type	Material		Surface Treatment	Accessories
		Main Body	Diaphragm		
FALSJ	Screw Clamp Type Single Diaphragm	Aluminum Alloy	Stainless Steel	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 ③ d/④ c (Please specify the shaft bore diameter within the range of d/c with a tolerance of H7)				LF	S	F	Fastening Bolt	
① Code	② ΦD								M	Tightening Torque (N.m)
FALSJ	12	12.35	3	4	5	5.9	0.55	2.1	M1.6	0.23~0.28
	16	17	3	4	5	6	7.9	1.25	2.6	0.4~0.5
	19	20	3	4	5	6	9.1	1.8	3.3	1
	20	23	3	4	5	6	10.6	1.8	3.6	1
	26	26	3	4	5	6	11.35	2.6	3.9	1.5
	29	25.7	5	6	6.35	7	11.85	2.0	3.8	1.5
	32	28	5	6	6.35	7	12.25	3.5	3.85	1.5
	33	28.5	5	6	6.35	7	12.25	3.5	4.1	1.5
	34	32	5	6	6.35	8	14.25	3.5	4.5	3.5
	39	34.5	8	9	9.525	10	14.9	4.5	4.5	3.5
	44	34.5	8	9	9.525	10	14.9	4.5	4.8	3.5
	56	45	10	12	14	15	19.75	5.3	6.3	8
	68	53	12	14	15	16	23.35	6.3	8.0	13
	82	68	17	18	19	20	30	8	8.0	28

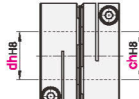
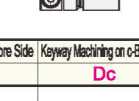
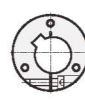
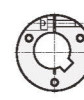
• Note: For any other size requirements, please contact customer service, sales representatives, or other relevant technical personnel for detailed parameters.

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 of Inertia (kg.m ²)	Weight (g)
❶ Code	❷ ΦD									
FALSJ	12	12.35	0.25	0.01	0.5	±0.04	10000	266	5.9×10 ⁻⁸	3
	16	17	0.6	0.02	0.5	±0.05	10000	510	2.63×10 ⁻⁷	7
	19	20	1	0.1	1	±0.09	10000	1400	6.7×10 ⁻⁷	11
	20	23	1	0.1	2	±0.10	10000	1800	2.2×10 ⁻⁶	20
	26	26	2	0.1	2	±0.14	10000	3700	2.2×10 ⁻⁶	28
	29	25.7	2	0.1	1	±0.18	10000	3700	6.7×10 ⁻⁶	35
	32	28	6	0.1	2	±0.18	10000	5700	7.1×10 ⁻⁶	46
	33	28.5	6	0.1	1	±0.18	10000	5800	7.8×10 ⁻⁶	50
	34	32	6	0.1	2	±0.18	10000	8100	8.0×10 ⁻⁶	55
	39	34.5	13	0.1	1	±0.23	10000	18000	2.2×10 ⁻⁵	81
	44	34.5	15	0.1	1	±0.27	10000	20000	2.8×10 ⁻⁵	99
	56	45	25	0.1	1	±0.36	10000	50000	1.2×10 ⁻⁴	217
	68	53	60	0.1	1	±0.40	9000	70000	1.5×10 ⁻⁴	348
	82	68	80	0.1	1	±0.50	8000	140000	1.8×10 ⁻⁴	689

• 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	Variable d/c Bore Size ch () dh ()
Optional Processing	
	
Keyway Machining on d-Bore Side	Keyway Machining on c-Bore Side
Dd	Dc
	
Selection Method Dd	Selection Method Dc
① Not for use with optional processing of dh and ch.	① Not for use with optional processing of dh and ch.
② Keyway machining can be selected when the bore size is 26.	
③ See the following for keyway machining and changes to bore size P236.	