# Stainless Steel Clamp Coupling ► Single Diaphragm

Please order according to the diagram

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

Model (❶Code ❷D) – ❸d – ❹c – (Dd) Dc

FAUSJ19 – d5 – c6 – Dd

Price Excluding Tax (Yuan)

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

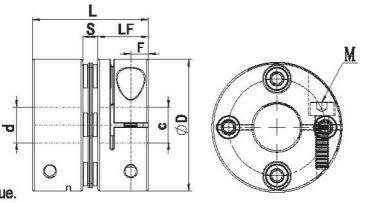
| Code | Type | | Material | | Surface Treatment | Accessories |
|---|---|---|---|---|---|---|
| | | | Main Body | Diaphragm | | |
| FAUSJ | Screw Clamp Type | Single Diaphragm | Stainless Steel | Stainless Steel | Black Oxide Finish | Hex Socket Head Cap Screw |

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

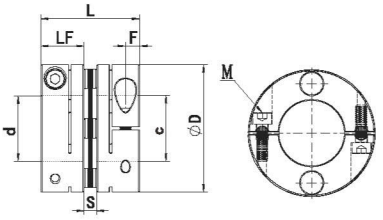
■ Features

- Membrane made of 304 stainless steel.
- High torque rigidity, accurate control of shaft rotation, suitable for high-precision control.
- Specifically designed for servo and stepper motors.
- Zero-clearance connection between shaft and shaft sleeve, suitable for both forward and reverse rotation.
- Shaft sleeve made of stainless steel, high precision, high torque.
- Secured with clamp screws.

Outer Diameter Φ19~Φ44




Outer Diameter Φ50~Φ82



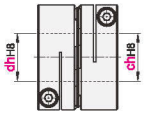

| Model | | L | Common Shaft Bore Sizes ❸d/❹c (Please specify the shaft bore diameter within the range of d≤c with a tolerance of H7) | LF | S | F | Fastening Bolt | |
|---|---|---|---|---|---|---|---|---|
| ❶ Code | ❷ΦD | | | | | | M | Tightening Torque(n.m) |
| FAUSJ | 19 | 20 | 3-4-5-6-6.35-7-8 | 9.1 | 1.8 | 2.4 | M2.5 | 1 |
| | 26 | 26 | 4-5-6-6.35-7-8-9-9.525-10-11-12-12.7 | 11.35 | 2.6 | 3.2 | M3 | 1.5 |
| | 34 | 32 | 6-6.35-7-8-9-9.525-10-11-12-12.7-14-15 | 14.25 | 3.5 | 4.1 | M4 | 3.5 |
| | 39 | 34.5 | 8-9-9.525-10-11-12-12.7-14-15-16-17-18-19 | 14.9 | 4.5 | 5.1 | M4 | 3.5 |
| | 44 | 34.5 | 8-9-9.525-10-11-12-12.7-14-15-16-17-18-19-20- 22 | 14.9 | 4.5 | 5.1 | M4 | 3.5 |
| | 50 | 41 | 8-9-9.525-10-11-12-127-14-15-16-17-18-19-20-22-25 | 18.1 | 4.8 | 5.4 | M5 | 8 |
| | 56 | 45 | 12-14-15-16-17-18-19- 20-22-24-25-28-30-32 | 19.75 | 5.3 | 6.1 | M5 | 8 |
| | 68 | 53 | 15-16-17-18-19-20-22-24-25-28-30-32-35 | 23.35 | 6.3 | 6.9 | M6 | 13 |
| | 82 | 68 | 16-17-18-19-20-22-24-25 28-30-32-35-38-40 | 30 | 8.0 | 8.6 | 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 ) | Weight ( g ) |
|---|---|---|---|---|---|---|---|---|---|---|
| ❶ Code | ❷ΦD | | | | | | | | | |
| FAUSJ | 19 | 20 | 1.8 | 0.1 | 0.5 | ±0.07 | 5000 | 1582 | $7.4\times10^{-7}$ | 40 |
| | 26 | 26 | 2.2 | 0.1 | 0.5 | ±0.07 | 5000 | 4100 | $3.3\times10^{-6}$ | 70 |
| | 34 | 32 | 4.5 | 0.1 | 0.5 | ±0.09 | 5000 | 9070 | $1.2\times10^{-5}$ | 137 |
| | 39 | 34.5 | 9 | 0.1 | 0.5 | ±0.11 | 5000 | 20000 | $3.3\times10^{-5}$ | 202 |
| | 44 | 34.5 | 13 | 0.1 | 0.5 | ±0.13 | 5000 | 22400 | $4.2\times10^{-4}$ | 247 |
| | 50 | 41 | 24 | 0.1 | 0.5 | ±0.15 | 4700 | 35800 | $5.4\times10^{-5}$ | 447 |
| | 56 | 45 | 37 | 0.1 | 0.5 | ±0.18 | 4700 | 56000 | $1.8\times10^{-4}$ | 542 |
| | 68 | 53 | 90 | 0.1 | 0.5 | ±0.20 | 4500 | 78000 | $2.25\times10^{-4}$ | 870 |
| | 82 | 68 | 150 | 0.1 | 0.5 | ±0.25 | 4000 | 168000 | $2.7\times10^{-4}$ | 1722 |

● 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 | Variable d/c Bore Size | Keyway Machining on d-Bore Side | Keyway Machining on c-Bore Side |
|---|---|---|---|---|
| | Code | ch ( ) dh ( ) | Dd | Dc |
| | Optional Processing |   Selection Method dh3.1 ch4.5 ❶ Minimum Unit 0.1 ❶ dh must ≤ ch ❶ Change d(c) to dh(ch) in the selection. |  Selection Method Dd ❶ Not for use with optional processing of dh and ch. |  Selection Method Dc ❶ Not for use with optional processing of dh and ch. |

| D | dh·ch |
|---|---|
| 19 | 3~8 |
| 26 | 4~12.7 |
| 34 | 6~15 |
| 39 | 8~19 |
| 44 | 8~22 |
| 50 | 8~25 |
| 56 | 12~32 |
| 68 | 15~32 |
| 82 | 16~40 |

❶ Keyway machining can be selected when the bore size is ≥6. ❶ See the following for keyway machining and changes to bore size P236.