Shenzhen Jinwangda Electromechanical Co., Ltd
AKD Industrial Robot (Shenzhen) Co., Ltd
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AKD

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SCREW SUPPORT BASE　PRECISION LOCK NUT　COUPLING

AKD®

6

Integrated service provider for automation core components

SCREW SUPPORT BASE
PRECISION LOCK NUT
COUPLING

Company Profile

Shenzhen Jinwangda Electromechanical Co., Ltd. (brand AKD) was established in 2009. We are a national high-tech enterprise dedicated to the research and development, production, and sales of high-end automation core components, as well as a specialized and innovative technology enterprise in Guangdong Province.

Main products: Precision linear guides, precision ball screws, precision planetary roller screws, precision reducers, KKR steel-based modules, GTHA embedded aluminum-based modules, KTH/KTB/KCH/KCB series aluminum-based modules, KDG/KDA/KY series electric cylinders, linear motors, DD motors, hollow rotary tables, screws and support seats, etc.

Application fields: Semiconductor, 3C electronics, new energy, LCD/LED panels, medical, machine tools, humanoid robots, and other high-end automation industries.

Management System: IS09001 Quality Management System.

Intellectual Property: The company has 8 invention patents, 33 utility model patents, 29 appearance patents, and 11 software copyrights.

Product certification: CE, ROHS.

AKD always adheres to the values of pragmatism and innovation, and the development concept of trust and persistence; Dedicated to building a well-known brand in the field of high-end automation core components, gradually achieving the internationalization of AKD brand. Through decades of continuous efforts and focus, AKD's revenue has always maintained a steady growth trend, with a wide range of market applications, creating a double good reputation for both brand and product, and winning unanimous recognition from peers and customers.

Mission:
Make industrial design more precise and easy to operate.

Vision:
Become a cost-effective and long-term reliable partner for customers!
Become a leading brand in automation core components.

Core values:
Pragmatic and innovative.

- National High-Tech Enterprise
- Shenzhen High-Tech Enterprise
- Guangdong SRDI Enterprise
- Partner Unit of Robotics Technology and the State Key Laboratory

Accuracy
Precision, pursuit of precision

Kind
Treat customers, employees, and shareholders with sincerity and friendliness

Design
Design, originality, and innovation

Screw support base series

High precision，High rigidity，Easy assembly

CONTENTS

EK series (convex fixing side)

Order number	Model	Surface preparation	Applicable screw	Use bearing	
				Model	Maximum start torque gf · cm
EK05_C7	EK05	Blacken	C7	605	No preload
EK05_C7N		Chemical nickel	C7	605	No preload
EK06_C7	EK06	Blacken	C7	606	No preload
EK06_C5			C5	706A P0	50
EK06_C3			C3	706A P5	50
EK06_C7N		Chemical nickel	C7	606	No preload
EK06_C5N			C5	706A P0	50
EK06_C3N			C3	706A P5	50
EK08_C7	EK08	Blacken	C7	608	No preload
EK08_C5			C5	708A P0	90
EK08_C3			C3	708A P5	90
EK08_C7N		Chemical nickel	C7	608	No preload
EK08_C5N			C5	708A P0	90
EK08_C3N			C3	708A P5	90
EK10_C7	EK10	Blacken	C7	6000	No preload
EK10_C5			C5	7000A P0	190
EK10_C3			C3	7000A P5	190
EK10_C7N		Chemical nickel	C7	6000	No preload
EK10_C5N			C5	7000A P0	190
EK10_C3N			C3	7000A P5	190
EK12_C7	EK12	Blacken	C7	6001	No preload
EK12_C5			C5	7001A P0	210
EK12_C3			C3	7001A P5	210
EK12_C7N		Chemical nickel	C7	6001	No preload
EK12_C5N			C5	7001A P0	210
EK12_C3N			C3	7001A P5	210

Blacken (applicable environment: general)

Chemical nickel (applicable environment: clean room)

Blacken (applicable environment: general)

Chemical nickel (applicable environment: clean room)

Note:
1. For level C7, a 6 head bearing shall be used, the axial load is light, and the clearance is about 0.03mm. (Please consult the technical information first to order this specification)
2. For level C5, the bearing used is pre-loaded with a zero clearance in the axial direction.
3. All the bearings are manufactured by Taiwan brand manufacturers, assembled with DF, and are most suitable for ball screw use.

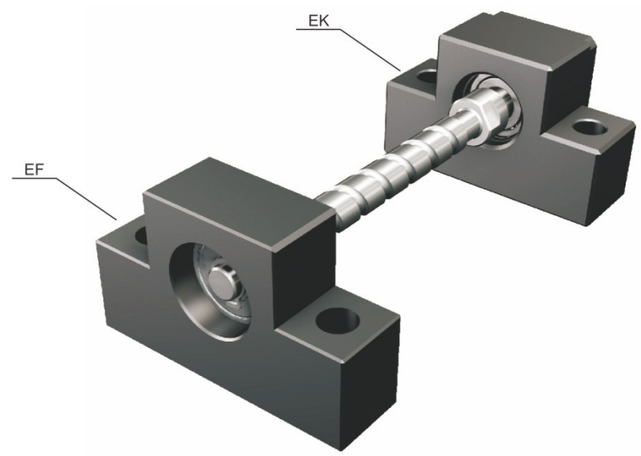
EK series (convex fixing side)

Order number	Model	Surface preparation	Applicable screw	Use bearing	
				Model	Maximum start torque gf · cm
EK15_C7	EK15	Blacken	C7	6002	No preload
EK15_C5			C5	7002A P0	230
EK15_C3			C3	7002A P5	230
EK15_C7N		Chemical nickel	C7	6002	No preload
EK15_C5N			C5	7002A P0	230
EK15_C3N			C3	7002A P5	230
EK20_C7	EK20	Blacken	C7	7204A P0	No preload
EK20B_C7			C7	7204B P0	No preload
EK20_C5			C5	7204A P0	550
EK20B_C5			C5	7204B P0	660
EK20_C3			C3	7204A P5	550
EK20_C7N		Chemical nickel	C7	7204A P0	No preload
EK20B_C7N			C7	7204B P0	No preload
EK20_C5N			C5	7204A P0	550
EK20B_C5N			C5	7204B P0	660
EK20_C3N			C3	7204A P5	550

Blacken (applicable environment: general)

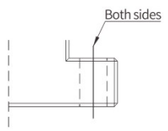
Chemical nickel (applicable environment: clean room)

Note:
1. For level C7, a 6 head bearing shall be used, the axial load is light, and the clearance is about 0.03mm. (Please consult the technical information first to order this specification)
2. For level C5, the bearing used is pre-loaded with a zero clearance in the axial direction.
3. All the bearings are manufactured by Taiwan brand manufacturers, assembled with DF, and are most suitable for ball screw use.

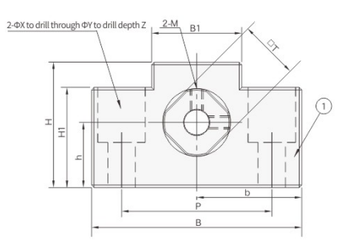


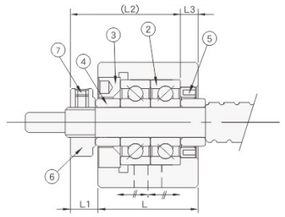
EK series (convex fixing side)

EK05

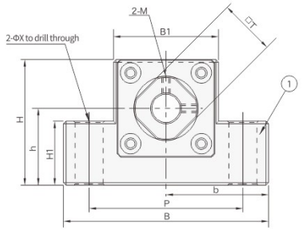


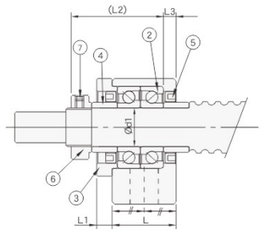
EK06, EK08

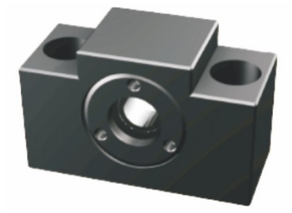




EK10~EK20

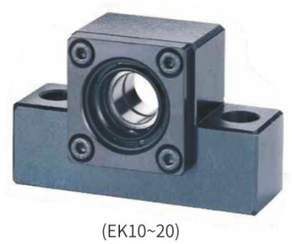






(EK05~08)

No.	Component	QTY
1	Bearing block body	1
2	Bearings	1
3	Press plate	1
4	Spacer ring	2
5	Shaft seal	1(2)
6	Locking nut	1
7	Hexagon stop screw	2



(EK10~20)

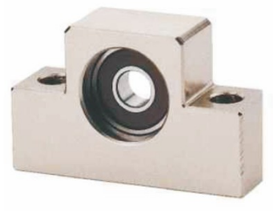
Unit: mm

Model	Shaft diameter d1	L	L1	L2	L3	B	H	b ±0.02	h ±0.02	B1	H1	P	X	Y	Z	M	T	Weight
EK05	5	16.5	5.5	18.5	3.5	36	21	18	11	20	8	28	4.5	-	-	M3	11	0.12
EK06	6	20	5.5	22	3.5	42	25	21	13	18	20	30	5.5	9.5	11	M3	12	0.18
EK08	8	23	7	26	4	52	32	26	17	25	26	38	6.6	11	12	M3	14	0.27
EK10-1	10	24	6	29.5	6	65	43	32.5	21	36	20	52	6.6	-	-	M3	16	0.47
EK10	10	24	6	29.5	6	70	43	35	25	36	24	52	9	-	-	M3	16	0.47
EK12	12	24	6	29.5	6	70	43	35	25	36	24	52	9	-	-	M4	19	0.45
EK15	15	25	6	36	5	80	49	40	30	41	25	60	11	-	-	M4	22	0.6
EK20	20	42	10	50	10	95	58	47.5	30	56	25	75	11	-	-	M4	30	1.35

EF series (Convex support side)

Order number	Model	Surface preparation	Applicable screw	Use bearing
EF06_C7	EF06	Blacken	C7	606ZZ
EF06_C3			C3 C5	606ZZ
EF06_C7N		Chemical nickel	C7	606VV
EF06_C3N			C3 C5	606VV
EF08_C7	EF08	Blacken	C7	606ZZ
EF08_C3			C3 C5	606ZZ
EF08_C7N		Chemical nickel	C7	606VV
EF08_C3N			C3 C5	606VV
EF10_C7	EF10	Blacken	C7	608ZZ
EF10_C3			C3 C5	608ZZ
EF10_C7N		Chemical nickel	C7	608DD
EF10_C3N			C3 C5	608DD
EF12_C7	EF12	Blacken	C7	6000ZZ
EF12_C3			C3 C5	6000ZZ
EF12_C7N		Chemical nickel	C7	6000DDU
EF12_C3N			C3 C5	6000DDU
EF15_C7	EF15	Blacken	C7	6002ZZ
EF15_C3			C3 C5	6002ZZ
EF15_C7N		Chemical nickel	C7	6002DDU
EF15_C3N			C3 C5	6002DDU
EF20_C7	EF20	Blacken	C7	6204ZZ
EF20_C3			C3 C5	6204ZZ
EF20_C7N		Chemical nickel	C7	6204DDU
EF20_C3N			C3 C5	6204DDU

Blacken (applicable environment: general)



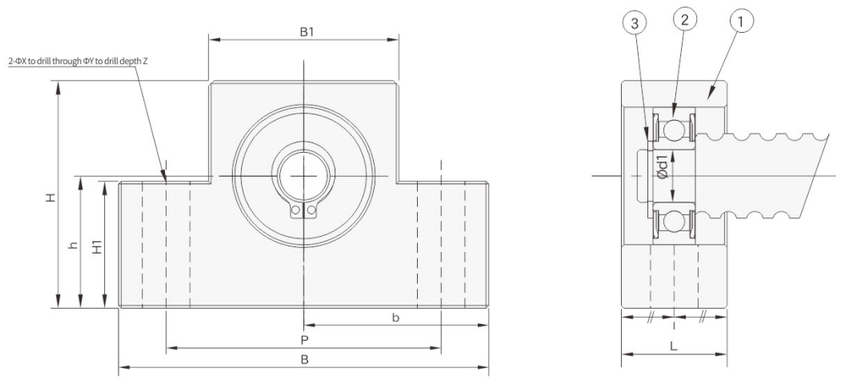
Chemical nickel (applicable environment: clean room)

Note:
1. Steel dustproof cover for bearing used for blackening.
2. Bearing used by chemical nickel is made of dual plastic caps.
3. All bearings of Taiwan brands shall be used.

EF series (Convex support side)

No.	Component	QTY
1	Bearing block body	1
2	Bearings	1
3	Type C retaining ring	1

EF



Unit: mm

Model	Shaft diameter	L	B	H	b ± 0.02	h ± 0.02	B1	H1	P	X	Y	Z	Bearing block body	Type C retaining ring	Weight
EF06	6	12	42	25	21	13	18	20	30	5. 5	9. 5	11	606ZZ	S06	0. 1
EF08	6	14	52	32	26	17	25	26	38	6. 6	11	12	606ZZ	S06	0. 16
EF10	8	20	70	43	35	25	36	24	52	9	–	–	608ZZ	S08	0. 35
EF12	10	20	70	43	35	25	36	24	52	9	–	–	6000ZZ	S10	0. 35
EF15	15	20	80	49	40	30	41	25	60	9	–	–	6002ZZ	S15	0. 4
EF20	20	26	95	58	47. 5	30	56	25	75	11	–	–	6204ZZ	S20	0. 65

BK series (square fixing side)

Order number	Model	Surface preparation	Applicable screw	Use bearing	
				Model	Maximum start torque gf · cm
BK10_C7	BK10	Blacken	C7	6000	No preload
BK10_C5			C5	7000A P0	190
BK10_C3			C3	7000A P5	190
BK10_C7N		Chemical nickel	C7	6000	No preload
BK10_C5N			C5	7000A P0	190
BK10_C3N			C3	7000A P5	190
BK12_C7	BK12	Blacken	C7	6001	No preload
BK12_C5			C5	7001A P0	210
BK12_C3			C3	7001A P5	210
BK12_C7N		Chemical nickel	C7	6001	No preload
BK12_C5N			C5	7001A P0	210
BK12_C3N			C3	7001A P5	210
BK15_C7	BK15	Blacken	C7	6002	No preload
BK15_C5			C5	7002A P0	230
BK15_C3			C3	7002A P5	230
BK15_C7N		Chemical nickel	C7	6002	No preload
BK15_C5N			C5	7002A P0	230
BK15_C3N			C3	7002A P5	230
BK17_C7	BK17	Blacken	C7	6203	No preload
BK17_C5			C5	7203A P0	370
BK17_C3			C3	7203A P5	370
BK17_C7N		Chemical nickel	C7	6203	No preload
BK17_C5N			C5	7203A P0	370
BK17_C3N			C3	7203A P5	370
BK20_C7	BK20	Blacken	C7	6004	No preload
BK20_C5			C5	7004A P0	380
BK20_C3			C3	7004A P5	380
BK20_C7N		Chemical nickel	C7	6004	No preload
BK20_C5N			C5	7004A P0	380
BK20_C3N			C3	7004A P5	380

Blacken (applicable environment: general)

Chemical nickel (applicable environment: clean room)

Note:
1. For level C7, a 6 head bearing shall be used, the axial load is light, and the clearance is about 0.03mm. (Please consult the technical information first to order this specification)
2. For level C5, the bearing used is pre-loaded with a zero clearance in the axial direction.
3. All the bearings are manufactured by Taiwan brand manufacturers, assembled with DF, and are most suitable for ball screw use.
4. No oil nozzle for standard products (the place marked with ★), please inform the business personnel in advance if necessary

BK series (square fixing side)

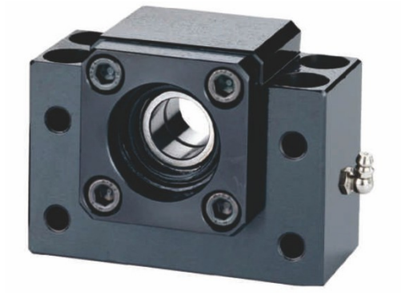
Order number	Model	Surface preparation	Applicable screw	Use bearing	
				Model	Maximum start torque gf · cm
BK25_C7	BK25	Blacken	C7	6205	No preload
BK25B_C7			C7	7205B P0	No preload
BK25_C5			C5	7205A P0	730
BK25B_C5			C5	7205B P0	1000
BK25_C3			C3	7205A P5	730
BK25_C7N		Chemical nickel	C7	6205	No preload
BK25B_C7N			C7	7205B P0	No preload
BK25_C5N			C5	7205A P0	730
BK25B_C5N			C5	7205B P0	1000
BK25_C3N			C3	7205A P5	730
BK30_C7	BK30	Blacken	C7	6206	No preload
BK30B_C7			C7	7206B P0	No preload
BK30_C5			C5	7206A P0	1050
BK30B_C5			C5	7206B P0	1250
BK30_C3			C3	7206A P5	1050
BK30_C7N		Chemical nickel	C7	6206	No preload
BK30B_C7N			C7	7206B P0	No preload
BK30_C5N			C5	7206A P0	1050
BK30B_C5N			C5	7206B P0	1250
BK30_C3N			C3	7206A P5	1050
BK35_C7	BK35	Blacken	C7	6207	No preload
BK35_C5			C5	7207B P0	1320
BK35_C7N		Chemical nickel	C7	6207	No preload
BK35_C5N			C5	7207B P0	1320
BK40_C7	BK40	Blacken	C7	6208	No preload
BK40_C5			C5	7208B P0	2050
BK40_C7N		Chemical nickel	C7	6208	No preload
BK40_C5N			C5	7208B P0	2050

Blacken (applicable environment: general)

Chemical nickel (applicable environment: clean room)

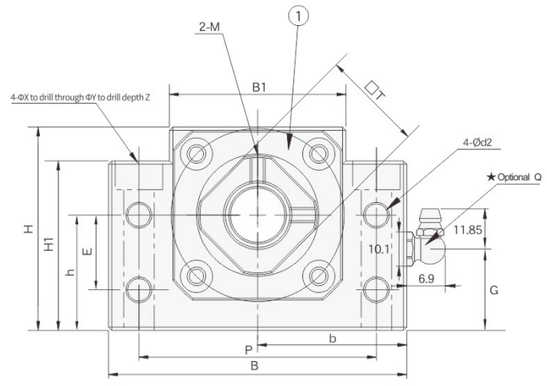
Note:
1. For level C7, a 6 head bearing shall be used, the axial load is light, and the clearance is about 0.03mm. (Please consult the technical information first to order this specification)
2. For level C5, the bearing used is pre-loaded with a zero clearance in the axial direction.
3. All the bearings are manufactured by Taiwan brand manufacturers, assembled with DF, and are most suitable for ball screw use.
4. No oil nozzle for standard products (the place marked with ★), please inform the business personnel in advance if necessary

BK series (square fixing side)



No.	Component	QTY
1	Bearing block body	1
2	Bearings	1
3	Press plate	1
4	Spacer ring	2
5	Shaft seal	2
6	Locking nut	1
7	Hexagon stop screw	2

BK

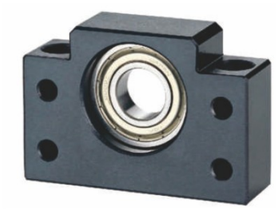


Unit: mm

Model	Shaft diameter d1	L	L1	L2	L3	B	H	b ± 0.02	h ± 0.02	B1	H1	E	P	C1	C2	d2	X	Y	Z	M	T	G	Q	Weight
BK10	10	25	5	29.5	5	60	39	30	22	34	32. 5	15	46	13	6	5.5	6.6	10.8	5	M3	16	15	M6	0. 4
BK12	12	25	5	29.5	5	60	43	30	25	34	32. 5	18	46	13	6	5.5	6.6	10.8	1.5	M4	19	18	M6	0. 45
BK15	15	27	6	32	6	70	48	35	28	40	38	18	54	15	6	5.5	6.6	11	6.5	M4	22	18	M6	0. 6
BK17	17	35	9	44	7	86	64	43	39	50	55	28	68	19	8	6.6	9	14	8.5	M4	24	30	M6	1. 3
BK20	20	35	8	43	8	88	60	44	34	52	50	22	70	19	8	6.6	9	14	8.5	M4	30	24	M6	1. 3
BK25	25	42	12	54	9	106	80	53	48	64	70	33	85	22	10	9	11	17	11	M5	35	37	M6	2. 4
BK30	30	45	14	61	9	128	89	64	51	76	78	33	102	23	11	11	14	20	13	M6	40	37	M6	3. 4
BK35	35	50	14	67	12	140	96	70	52	88	79	35	114	26	12	11	14	20	13	M8	50	37	M6	4. 4
BK40	40	61	18	76	15	160	110	80	60	100	90	37	130	33	14	14	18	26	17.5	M8	50	43	M6	6. 8

BF series (square supporting side)

Order number	Model	Surface preparation	Applicable screw	Use bearing
BF10_C7	BF10	Blacken	C7	608ZZ
BF10_C3			C3 C5	608ZZ
BF10_C7N		Chemical nickel	C7	608DD
BF10_C3N			C3 C5	608DD
BF12_C7	BF12	Blacken	C7	6000ZZ
BF12_C3			C3 C5	6000ZZ
BF12_C7N		Chemical nickel	C7	6000DDU
BF12_C3N			C3 C5	6000DDU
BF15_C7	BF15	Blacken	C7	6002ZZ
BF15_C3			C3 C5	6002ZZ
BF15_C7N		Chemical nickel	C7	6002DDU
BF15_C3N			C3 C5	6002DDU
BF17_C7	BF17	Blacken	C7	6203ZZ
BF17_C3			C3 C5	6203ZZ
BF17_C7N		Chemical nickel	C7	6203DDU
BF17_C3N			C3 C5	6203DDU
BF20_C7	BF20	Blacken	C7	6004ZZ
BF20_C3			C3 C5	6004ZZ
BF20_C7N		Chemical nickel	C7	6004DDU
BF20_C3N			C3 C5	6004DDU
BF25_C7	BF25	Blacken	C7	6205ZZ
BF25_C3			C3 C5	6205ZZ
BF25_C7N		Chemical nickel	C7	6205DDU
BF25_C3N			C3 C5	6205DDU
BF30_C7	BF30	Blacken	C7	6206ZZ
BF30_C3			C3 C5	6206ZZ
BF30_C7N		Chemical nickel	C7	6206DDU
BF30_C3N			C3 C5	6206DDU
BF35_C7	BF35	Blacken	C7	6207ZZ
BF35_C3			C3 C5	6207ZZ
BF35_C7N		Chemical nickel	C7	6207DDU
BF35_C3N			C3 C5	6207DDU
BF40_C7	BF40	Blacken	C7	6208ZZ
BF40_C3			C3 C5	6208ZZ
BF40_C7N		Chemical nickel	C7	6208DDU
BF40_C3N			C3 C5	6208DDU

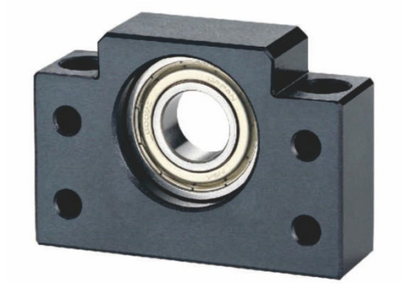


Blacken (applicable environment: general)

Chemical nickel (applicable environment: clean room)

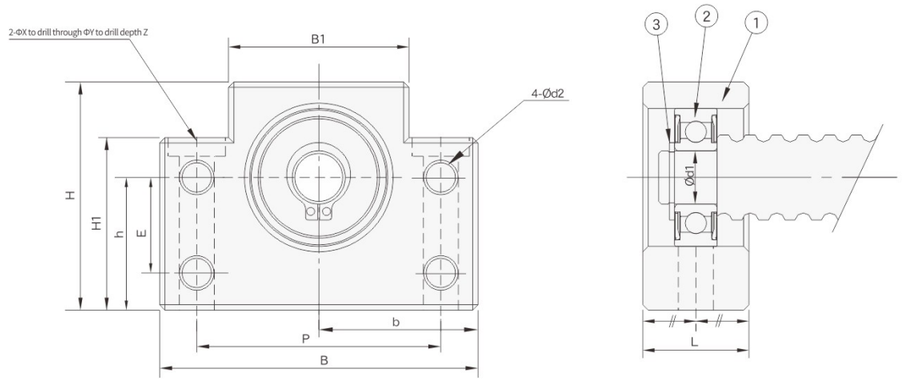
Note: 1. Steel dustproof cover for bearing used for blackening. 2. Bearing used by chemical nickel is made of dual plastic caps. 3. All bearings of Taiwan brands shall be used.

BF series (square supporting side)



No.	Component	QTY
1	Bearing block body	1
2	Bearings	1
3	Type C retaining ring	1

BF



Unit: mm

Model	Shaft diameter	L	B	H	b	h	B1	H1	E	P	d2	X	Y	Z	Bearing block body	Type C retaining ring	Weight
					± 0.02	± 0.02											
BF10	8	20	60	39	30	22	34	32. 5	15	46	5. 5	6. 6	10. 8	5	608ZZ	S 08	0. 3
BF12	10	20	60	43	30	25	34	32. 5	18	46	5. 5	6. 6	10. 8	1. 5	6000ZZ	S 10	0. 35
BF15	15	20	70	48	35	28	40	38	18	54	5. 5	6. 6	11	6. 5	6002ZZ	S 15	0. 4
BF17	17	23	86	64	43	39	50	55	28	68	6. 6	9	14	8. 5	6203ZZ	S 17	0. 75
BF20	20	26	88	60	44	34	52	50	22	70	6. 6	9	14	8. 5	6004ZZ	S 20	0. 77
BF25	25	30	106	80	53	48	64	70	33	85	9	11	17	11	6205ZZ	S 25	1. 45
BF30	30	32	128	89	64	51	76	78	33	102	11	14	20	13	6206ZZ	S 30	1. 95
BF35	35	32	140	96	70	52	88	79	35	114	11	14	20	13	6207ZZ	S 35	2. 25
BF40	40	37	160	110	80	60	100	90	37	130	14	18	26	17. 5	6208ZZ	S 40	3. 3

BF series (square supporting side)

Order number	Model	Surface preparation	Applicable screw	Use bearing	
				Model	Maximum start torque gf·cm
FK05_C7	FK05	Blacken	C7	605	No preload
FK05_C7N		Chemical nickel	C7	605	No preload
FK06_C7	FK06	Blacken	C7	606	No preload
FK06_C5			C5	706A P0	50
FK06_C3			C3	706A P5	50
FK06_C7N		Chemical nickel	C7	606	No preload
FK06_C5N			C5	706A P0	50
FK06_C3N			C3	706A P5	50
FK08_C7	FK08	Blacken	C7	608	No preload
FK08_C5			C5	708A P0	90
FK08_C3			C3	708A P5	90
FK08_C7N		Chemical nickel	C7	608	No preload
FK08_C5N			C5	708A P0	90
FK08_C3N			C3	708A P5	90
FK10_C7	FK10	Blacken	C7	6000	No preload
FK10_C5			C5	7000A P0	190
FK10_C3			C3	7000A P5	190
FK10_C7N		Chemical nickel	C7	6000	No preload
FK10_C5N			C5	7000A P0	190
FK10_C3N			C3	7000A P5	190
FK12_C7	FK12	Blacken	C7	6001	No preload
FK12_C5			C5	7001A P0	210
FK12_C3			C3	7001A P5	210
FK12_C7N		Chemical nickel	C7	6001	No preload
FK12_C5N			C5	7001A P0	210
FK12_C3N			C3	7001A P5	210
FK15_C7	FK15	Blacken	C7	6002	No preload
FK15_C5			C5	7002A P0	230
FK15_C3			C3	7002A P5	230
FK15_C7N		Chemical nickel	C7	6002	No preload
FK15_C5N			C5	7002A P0	230
FK15_C3N			C3	7002A P5	230

Blacken (applicable environment: general)

Chemical nickel (applicable environment: clean room)

Blacken (applicable environment: general)

Chemical nickel (applicable environment: clean room)

Note:
1. For level C7, a 6 head bearing shall be used, the axial load is light, and the clearance is about 0.03mm. (Please consult the technical information first to order this specification)
2. For level C5, the bearing used is pre-loaded with a zero clearance in the axial direction.
3. All the bearings are manufactured by Taiwan brand manufacturers, assembled with DF, and are most suitable for ball screw use.

FK series (round fixing side)

Order number	Model	Surface preparation	Applicable screw	Use bearing	
				Model	Maximum start torque gf·cm
FK17_C7	FK17	Blacken	C7	6203A P0	No preload
FK17_C5			C5	7203A P0	370
FK17_C3			C3	7203A P5	370
FK17_C7N		No preload	C7	6203A P0	No preload
FK17_C5N			C5	7203A P0	370
FK17_C3N			C3	7203A P5	370
FK20_C7	FK20	Blacken	C7	6204A P0	No preload
FK20B_C7			C7	7204B P0	No preload
FK20_C5			C5	7204A P0	550
FK20B_C5			C5	7204B P0	660
FK20_C3			C3	7204A P5	550
FK20_C7N		No preload	C7	6204A P0	No preload
FK20B_C7N			C7	7204B P0	No preload
FK20_C5N			C5	7204A P0	550
FK20B_C5N			C5	7204A P0	660
FK20_C3N			C3	7204A P5	550
FK25_C7	FK25	Blacken	C7	6205A P0	No preload
FK25B_C7			C7	7205B P0	No preload
FK25_C5			C5	7205A P0	730
FK25B_C5			C5	7205B P0	1000
FK25_C3			C3	7205A P5	730
FK25_C7N		No preload	C7	6205A P0	No preload
FK25B_C7N			C7	7205B P0	No preload
FK25_C5N			C3	7205A P0	730
FK25B_C5N			C5	7205B P0	1000
FK25_C3N			C3	7205A P5	730
FK30_C7	FK30	Blacken	C7	6206A P0	No preload
FK30B_C7			C7	7206B P0	No preload
FK30_C5			C5	7206A P0	1050
FK30B_C5			C5	7206B P0	1250
FK30_C3			C3	7206A P5	1050
FK30_C7N		No preload	C7	6206A P0	No preload
FK30B_C7N			C7	7206B P0	No preload
FK30_C5N			C5	7206B P0	1050
FK30B_C5N			C5	7206B P0	1250
FK30_C3N			C3	7206A P5	1050

Blacken (applicable environment: general)

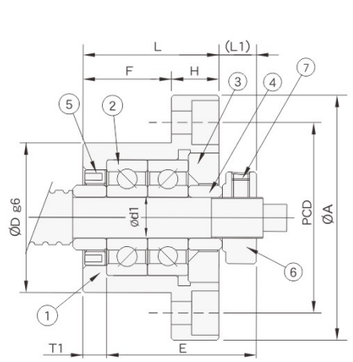
Chemical nickel (applicable environment: clean room)

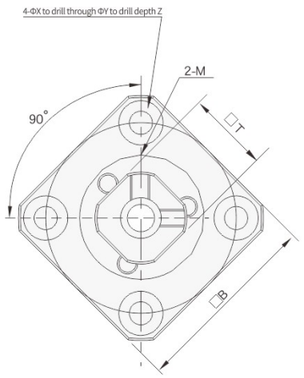
Note:
1. For level C7, a 6 head bearing shall be used, the axial load is light, and the clearance is about 0.03mm. (Please consult the technical information first to order this specification)
2. For level C5, the bearing used is pre-loaded with a zero clearance in the axial direction.
3. All the bearings are manufactured by Taiwan brand manufacturers, assembled with DF, and are most suitable for ball screw use.
4. No oil nozzle for standard products (the place marked with ★), please inform the business personnel in advance if necessary

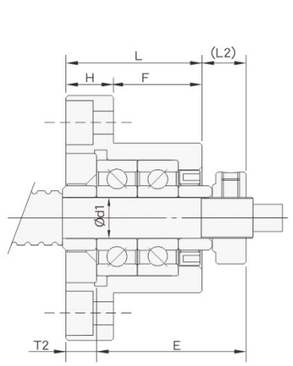
FK series (round fixing side)

No.	Component	QTY
1	Bearing block body	1
2	Bearings	1
3	Press plate	1
4	Spacer ring	2
5	Shaft seal	2
6	Locking nut	1
7	Hexagon stop screw	2

FK05~FK08







Method of Erection A

Method of Erection B

Unit: mm

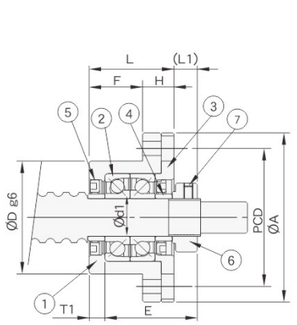
Model	Shaft diameter d1	L	H	F	E	Dg6	A	PCD	B	Device method A		Device method B		X	Y	Z	M	T	Weight
										L1	T1	L2	T2						
FK05	5	16. 5	6	10. 5	18. 5	20 $^{-0.007}_{-0.02}$	34	26	26	5.5	3.5	5	3	3.4	6.5	4	M3	11	0.1
FK06	6	20	7	13	22	22 $^{-0.007}_{-0.02}$	36	28	28	5.5	3.5	6. 5	4. 5	3.4	6.5	4	M3	12	0.12
FK08	8	23	9	14	26	28 $^{-0.007}_{-0.02}$	43	35	35	7	4	8	5	3.4	6.5	4	M3	14	0.16

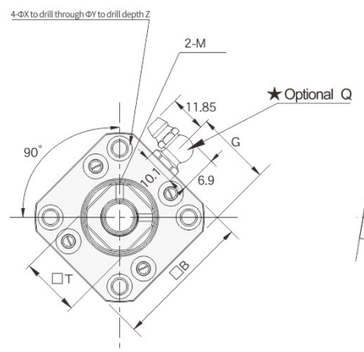
FK series (round fixing side)

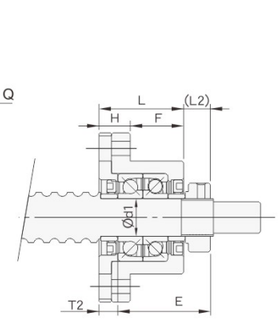
No.	Component	QTY
1	Bearing block body	1
2	Bearings	1
3	Press plate	1
4	Spacer ring	2
5	Shaft seal	2
6	Locking nut	1
7	Hexagon stop screw	2

Nozzle location for reference only,
detailed nozzle location to the company's website catalog query.

FK10~FK30







Method of Erection A

Method of Erection B

Unit: mm

Model	Shaft diameter d1	L	H	F	E	Dg6	A	PCD	B	Device method A		Device method B		X	Y	Z	M	T	G	Q	Weight
										L1	T1	L2	T2								
FK10	10	27	10	17	29.5	34 $^{-0.009}_{-0.025}$	52	42	42	7.5	5	8.5	6	4.5	8	4	M3	16	-	M6	0.25
FK12	12	27	11	16	29.5	36 $^{-0.009}_{-0.025}$	54	44	44	7.5	5	8.5	6	4.5	8	4	M4	19	-	M6	0.26
FK15	15	32	15	17	36	40 $^{-0.009}_{-0.025}$	63	50	52	10	6	12	8	5.5	9.5	6	M4	22	26	M6	0.4
FK17	17	45	22	23	47	50 $^{-0.009}_{-0.025}$	77	62	61	11	9	14	12	6.6	11	10	M4	24	30.5	M6	0.85
FK20	20	52	22	30	50	57 $^{-0.010}_{-0.029}$	85	70	68	8	10	12	14	6.6	11	10	M4	30	34	M6	1.2
FK25	25	57	27	30	59	63 $^{-0.010}_{-0.029}$	98	80	79	13	10	20	17	9	15	13	M5	35	39.5	M6	1.6
FK30	30	62	30	32	61	75 $^{-0.010}_{-0.029}$	117	95	93	11	12	17	18	11	17.5	15	M6	40	46.5	M6	2.38

FF series (round support side)

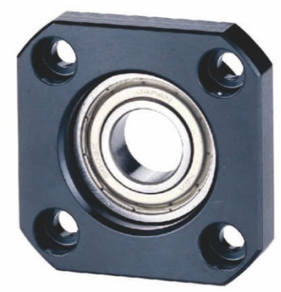
Order number	Model	Surface preparation	Applicable screw	Use bearing
FF06_C7	FF06	Blacken	C7	606ZZ
FF06_C3			C3 C5	606ZZ
FF06_C7N		Chemical nickel	C7	606VV
FF06_C3N			C3 C5	606VV
FF10_C7	FF10	Blacken	C7	608ZZ
FF10_C3			C3 C5	608ZZ
FF10_C7N		Chemical nickel	C7	608DD
FF10_C3N			C3 C5	608DD
FF12_C7	FF12	Blacken	C7	6000ZZ
FF12_C3			C3 C5	6000ZZ
FF12_C7N		Chemical nickel	C7	6000DDU
FF12_C3N			C3 C5	6000DDU
FF15_C7	FF15	Blacken	C7	6002ZZ
FF15_C3			C3 C5	6002ZZ
FF15_C7N		Chemical nickel	C7	6002DDU
FF15_C3N			C3 C5	6002DDU
FF17_C7	FF17	Blacken	C7	6203ZZ
FF17_C3			C3 C5	6203ZZ
FF17_C7N		Chemical nickel	C7	6203DDU
FF17_C3N			C3 C5	6203DDU
FF20_C7	FF20	Blacken	C7	6204ZZ
FF20_C3			C3 C5	6204ZZ
FF20_C7N		Chemical nickel	C7	6204DDU
FF20_C3N			C3 C5	6204DDU
FF25_C7	FF25	Blacken	C7	6205ZZ
FF25_C3			C3 C5	6205ZZ
FF25_C7N		Chemical nickel	C7	6205DDU
FF25_C3N			C3 C5	6205DDU
FF30_C7	FF30	Blacken	C7	6206ZZ
FF30_C3			C3 C5	6206ZZ
FF30_C7N		Chemical nickel	C7	6206DDU
FF30_C3N			C3 C5	6206DDU

Blacken (applicable environment: general)

Chemical nickel (applicable environment: clean room)

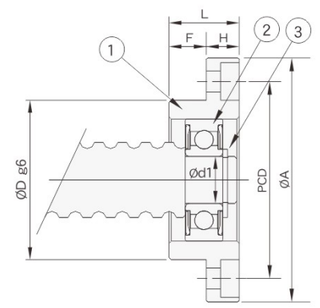
Note: 1. Steel dustproof cover for bearing used for blackening. 2. Bearing used by chemical nickel is made of dual plastic caps. 3. All bearings of Taiwan brands shall be used.

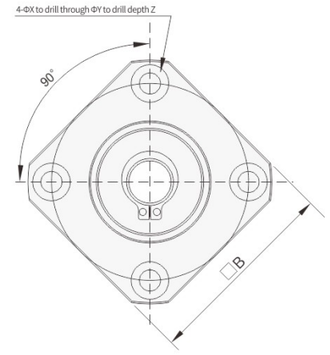
FF series (round support side)



No.	Component	QTY
1	Bearing block body	1
2	Bearings	1
3	Type C retaining ring	1

FF





Unit: mm

Model	Shaft diameter d1	L	H	F	Dg6	A	PCD	B	X	Y	Z	Bearing block body	Type C retaining ring	Weight
FF06	6	10	6	4	22 $^{-0.007}_{-0.02}$	36	28	28	3.4	6.5	4	606ZZ	S 06	0.08
FF10	8	12	7	5	28 $^{-0.007}_{-0.02}$	43	35	35	3.4	6.5	4	608ZZ	S 08	0.1
FF12	10	15	7	8	34 $^{-0.009}_{-0.025}$	52	42	42	4.5	8	4	6000ZZ	S 10	0.15
FF15	15	17	9	8	40 $^{-0.009}_{-0.025}$	63	50	52	5.5	9.5	5.5	6002ZZ	S 15	0.22
FF17	17	20	11	9	50 $^{-0.009}_{-0.025}$	77	62	61	6.6	11	6.5	6203ZZ	S 17	0.35
FF20	20	20	11	9	57 $^{-0.010}_{-0.029}$	85	70	68	6.6	11	6.5	6204ZZ	S 20	0.45
FF25	25	24	14	10	63 $^{-0.010}_{-0.029}$	98	80	79	9	14	8.5	6205ZZ	S 25	0.66
FF30	30	27	18	9	75 $^{-0.010}_{-0.029}$	117	95	93	11	17	11	6206ZZ	S 30	1.05

AK series (square fixing side)

Order number	Model	Surface preparation	Applicable screw	Use bearing		
				Model	Maximum start torque gf · cm	
AK10_C7	AK10	Blacken	C7	6000	No preload	 ★Optional Q Blacken (applicable environment: general)
AK10_C5			C5	7000A P0	190	
AK10_C3			C3	7000A P5	190	
AK10_C7N		Chemical nickel	C7	6000	No preload	
AK10_C5N			C5	7000A P0	190	
AK10_C3N			C3	7000A P5	190	
AK12_C7	AK12	Blacken	C7	6001	No preload	
AK12_C5			C5	7001A P0	210	
AK12_C3			C3	7001A P5	210	 ★Optional Q Chemical nickel (applicable environment: clean room)
AK12_C7N		Chemical nickel	C7	6001	No preload	
AK12_C5N			C5	7001A P0	210	
AK12_C3N			C3	7001A P5	210	
AK15_C7	AK15	Blacken	C7	6002	No preload	
AK15_C5			C5	7002A P0	230	
AK15_C3			C3	7002A P5	230	
AK15_C7N		Chemical nickel	C7	6002	No preload	
AK15_C5N			C5	7002A P0	230	
AK15_C3N			C3	7002A P5	230	
AK20_C7	AK20	Blacken	C7	6204	No preload	 ★Optional Q Blacken (applicable environment: general)
AK20B_C7			C7	7204B P0	No preload	
AK20_C5			C5	7204A P0	380	
AK20B_C5			C5	7204B P0	550	
AK20_C3			C3	7204A P5	380	
AK20_C7N		Chemical nickel	C7	6204	No preload	 ★Optional Q Chemical nickel (applicable environment: clean room)
AK20B_C7N			C7	7204B P0	No preload	
AK20_C5N			C5	7204A P0	380	
AK20B_C5N			C5	7204B P0	550	
AK20_C3N			C3	7204A P5	380	
AK25_C7	AK25	Blacken	C7	6205	No preload	
AK25B_C7			C7	7205B P0	No preload	
AK25_C5			C5	7205A P0	730	 ★Optional Q Blacken (applicable environment: general)
AK25B_C5			C5	7205B P0	1050	
AK25_C3			C3	7205A P0	730	
AK25_C7N		Chemical nickel	C7	6205	No preload	
AK25B_C7N			C7	7205B P0	No preload	
AK25_C5N			C5	7205A P0	730	 ★Optional Q Chemical nickel (applicable environment: clean room)
AK25B_C5N			C5	7205B P0	1050	
AK25_C3N			C3	7205A P5	730	

Note:
1. For level C7, a 6 head bearing shall be used, the axial load is light, and the clearance is about 0.03mm. (Please consult the technical information first to order this specification)
2. For level C5, the bearing used is pre-loaded with a zero clearance in the axial direction.
3. All the bearings are manufactured by Taiwan brand manufacturers, assembled with DF, and are most suitable for ball screw use.
4. No oil nozzle for standard products (the place marked with ★), please inform the business personnel in advance if necessary

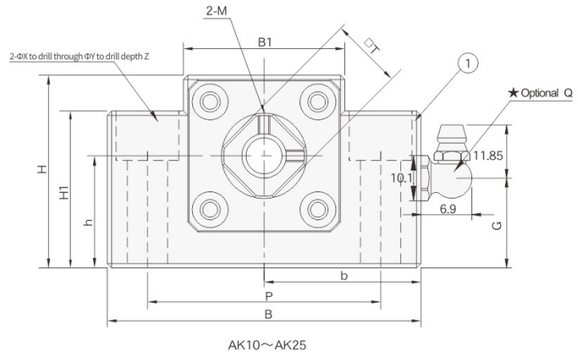
AK series (square fixing side)


AK10~AK15

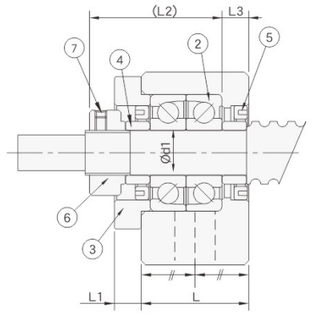

AK20


AK25

AK

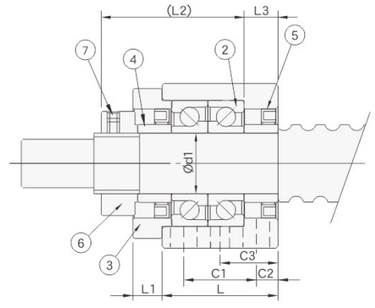


AK10～AK25



AK10～AK15

No.	Component	QTY
1	Bearing block body	1
2	Bearings	1
3	Press plate	1
4	Spacer ring	2
5	Shaft seal	2
6	Locking nut	1
7	Hexagon stop screw	2



AK20～AK25

Unit: mm

Model	Shaft diameter d1	L	L1	L2	L3	B	H	b ± 0.02	h ± 0.02	B1	H1	P	X	Y	Z	M	T	C1	C2	C3	G	Q	Weight
AK10	10	24	6	29.5	6	70	43	35	25	36	35	52	9	14	11	M3	16	–	–	–	20	M6	0.5
AK12	12	24	6	29.5	6	70	43	35	25	36	35	52	9	14	11	M4	19	–	–	–	20	M6	0.5
AK15	15	25	6	36	5	80	49	40	30	41	40	60	11	17	15	M4	22	–	–	–	21	M6	0.65
AK20	20	42	10	50	10	95	58	47.5	30	56	45	75	11	17	15	M4	30	22	10	–	24	M6	1.45
AK25	25	48	12	56	14	105	68	52.5	35	66	25	85	11	–	–	M5	35	30	9	24	58	–	1.92

AF series (square supporting side)

Order number	Model	Surface preparation	Applicable screw	Use bearing
AF10_C7	AF10	Blacken	C7	608ZZ
AF10_C3			C3 C5	608ZZ
AF10_C7N		Chemical nickel	C7	608DD
AF10_C3N			C3 C5	608DD
AF12_C7	AF12	Blacken	C7	6000ZZ
AF12_C3			C3 C5	6000ZZ
AF12_C7N		Chemical nickel	C7	6000DDU
AF12_C3N			C3 C5	6000DDU
AF15_C7	AF15	Blacken	C7	6002ZZ
AF15_C3			C3 C5	6002ZZ
AF15_C7N		Chemical nickel	C7	6002DDU
AF15_C3N			C3 C5	6002DDU
AF20_C7	AF20	Blacken	C7	6204ZZ
AF20_C3			C3 C5	6204ZZ
AF20_C7N		Chemical nickel	C7	6204DDU
AF20_C3N			C3 C5	6204DDU
AF25_C7	AF25	Blacken	C7	6205ZZ
AF25_C3			C3 C5	6205ZZ
AF25_C7N		Chemical nickel	C7	6205DDU
AF25_C3N			C3 C5	6205DDU

Blacken (applicable environment: general)

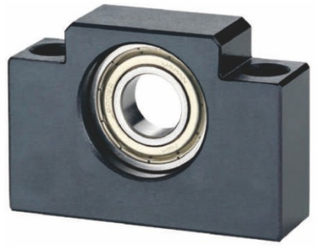
Chemical nickel (applicable environment: clean room)

Blacken (applicable environment: general)

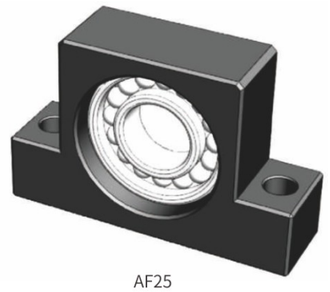
Chemical nickel (applicable environment: clean room)

Note: 1. Steel dustproof cover for bearing used for blackening. 2. Bearing used by chemical nickel is made of dual plastic caps. 3. All bearings of Taiwan brands shall be used.

AF series (square supporting side)



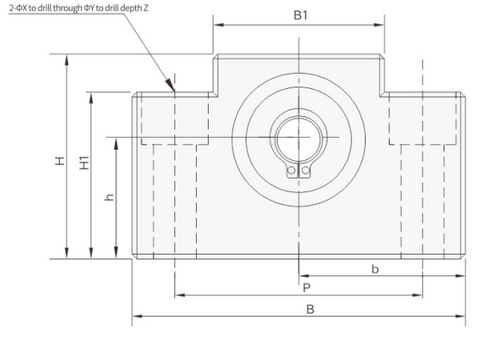
AF10~20

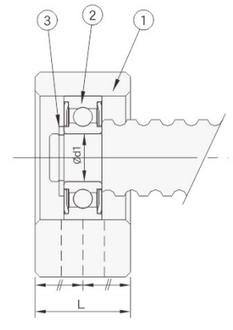


AF25

AF

No.	Component	QTY
1	Bearing block body	1
2	Bearings	1
3	Type C retaining ring	1



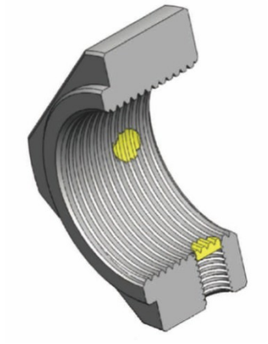


Unit: mm

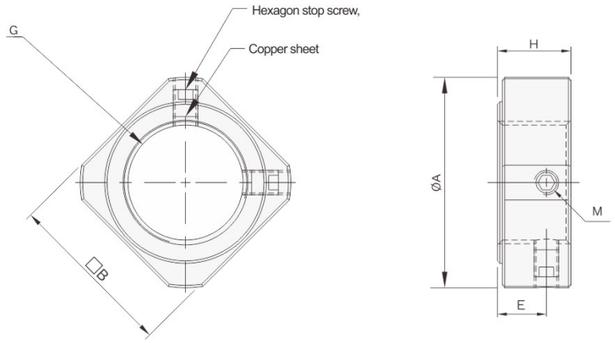
Model	Shaft diameter d1	L	B	H	b ± 0.02	h ± 0.02	B1	H1	P	X	Y	Z	Bearing block body	Type C retaining ring	Weight
AF10	8	20	70	43	35	25	36	35	52	9	14	11	608ZZ	S 08	0.37
AF12	10	20	70	43	35	25	36	35	52	9	14	11	6000ZZ	S 10	0.37
AF15	15	20	80	49	40	30	41	40	60	9	14	11	6002ZZ	S 15	0.45
AF20	20	26	95	58	47.5	30	56	45	75	11	17	15	6204ZZ	S 20	0.75
AF25	25	30	105	68	52.5	35	66	25	85	11	-	-	6205ZZ	S 25	0.95

Locking nut

No.	Component	QTY
1	Locking nut	1
2	Hexagon stop screw, attached with copper sheet	2



Lock Nut



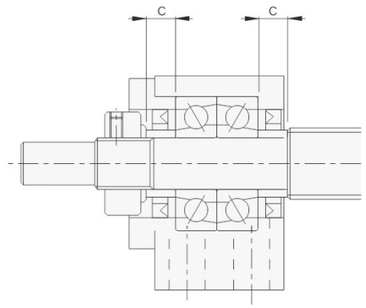
Unit: mm

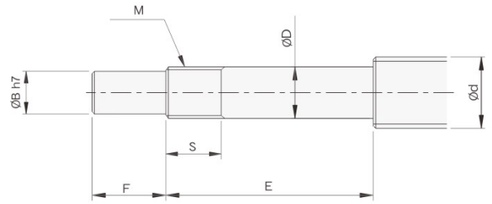
Model	H	A	E	M	B	G
RN-M5x0.5	5	12.5	2.7	M3×0.5	11	M5×0.5
RN-M6x0.75	5	13.5	2.7	M3×0.5	12	M6×0.75
RN-M8x1.0	6.5	16	4	M3×0.5	14	M8×1.0
RN-M10x1.0	8	19	5.5	M3×0.5	16	M10×1.0
RN-M12x1.0	8	22	5.5	M4×0.7	19	M12×1.0
RN-M15x1.0	8	25	4.75	M4×0.7	22	M15×1.0

Unit: mm

Model	H	A	E	M	B	G
RN-M17x1.0	13	29	9	M4	24	M17×1.0
RN-M20x1.0	11	35	7	M4	30	M20×1.0
RN-M25x1.5	15	43	10	M6	35	M25×1.5
RN-M30x1.5	20	48	14	M6	40	M30×1.5
RN-M35x1.5	21	60	14	M6	50	M35×1.5
RN-M40x1.5	25	62	18	M6	50	M40×1.5

Suggested machining dimensions of shaft end (fixing side)——BK

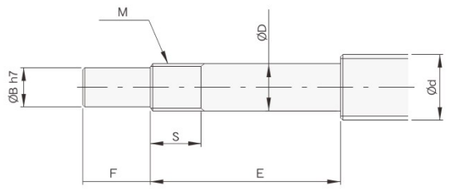


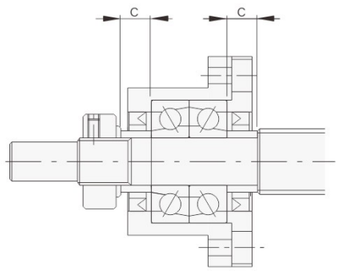


Unit: mm

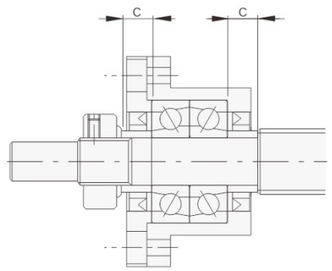
Model	Outer diameter of ball screw shaft	Shaft end diameter				Nominal thread		Sleeve length
BK	d	D	B	E	F	M	S	C
BK10	12/14/15	10 $^{-0.008}_{-0.015}$	8	36	15	M10×1	12	5.5
BK12	14/15/16	12 $^{-0.008}_{-0.015}$	10	36	15	M12×1	12	5.5
BK15	18/20	15 $^{-0.008}_{-0.017}$	12	40	20	M15×1	12	6
BK17	20/25	17 $^{-0.008}_{-0.017}$	15	53	23	M17×1	17	7
BK20	25/28	20 $^{-0.008}_{-0.017}$	17	53	25	M20×1	15	8
BK25	32/36	25 $^{-0.008}_{-0.017}$	20	66	30	M25×1.5	20	9
BK30	36/40	30 $^{-0.008}_{-0.018}$	25	73	38	M30×1.5	25	9
BK35	45	35 $^{-0.008}_{-0.018}$	30	82	45	M35×1.5	26	12
BK40	50	40 $^{-0.008}_{-0.018}$	35	94	50	M40×1.5	30	15

Suggested machining dimensions of shaft end (fixing side)——FK, FKA, EK, AK, LK

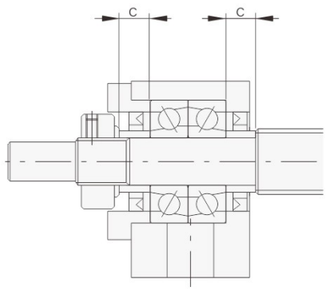




FK, FKA



EK, FKA

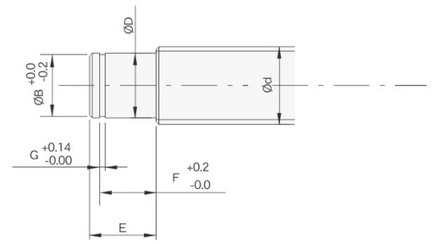


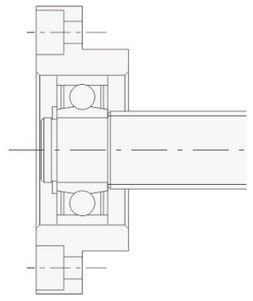
EK, AK, LK

Unit: mm

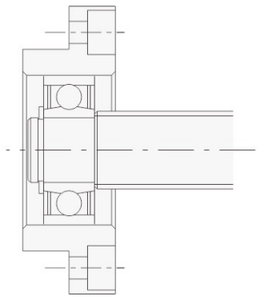
Model				Outer diameter of ball screw shaft	Shaft end diameter				Nominal thread		Sleeve length
FK FKA	EK	AK	LK	d	D		B	E	F	M	S	C
FK05	EK05	-	-	8	5	-0.008 -0.015	4	23	6	M5×0.5	7	3.5
FK06 FKA06	EK06	-	-	8	6	-0.008 -0.015	4	28	8	M6×0.75	8	5
FK08 FKA08	EK08	-	LK08	10/12	8	-0.008 -0.015	6	32	9	M8×1	10	5.5
FK10 FKA10	EK10	AK10	LK10	12/14/15	10	-0.008 -0.015	8	36	15	M10×1	12	5.5
FK12 FKA12	EK12	AK12	LK12	14/15/16	12	-0.008 -0.015	10	36	15	M12×1	12	5.5
FK15 FKA15	EK15	AK15	LK15	18/20	15	-0.008 -0.017	12	48	20	M15×1	13	10
FK17	-	-	-	20/25	17	-0.008 -0.017	15	59	23	M17×1	17	10
FK20 FKA20	EK20	AK20	-	25/28/30	20	-0.008 -0.017	17	64	25	M20×1	16	11
FK25	-	AK25	-	30/32/36	25	-0.008 -0.017	20	76	30	M25×1.5	20	14
FK30	-	-	-	36/40	30	-0.008 -0.018	25	73	38	M30×1.5	25	9

Suggested machining dimensions of shaft end (supporting side)——FF, EF, BF, AF, LF

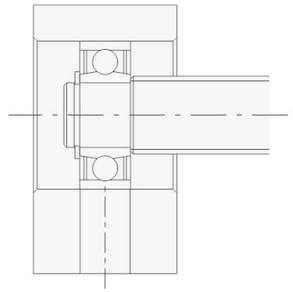




FF



FF



EF, BF, AF, LF

Unit: mm

Model					Outer diameter of ball screw shaft	Shaft end diameter					
FF	EF	BF	AF	LF	d	D		E	B	F	G
FF06	EF06	-	-	-	8	6	-0.008 -0.015	9	5.7	6.8	0.8
-	EF08	-	-	LF08	10	6	-0.008 -0.015	9	5.7	6.8	0.8
FF10	EF10	BF10	AF10	-	12/14/15	8	-0.008 -0.015	10	7.6	7.9	0.9
FF12	EF12	BF12	AF12	LF12	14/15/16	10	-0.008 -0.015	11	9.6	9.15	1.15
FF15	EF15	BF15	AF15	LF15	18/20	15	-0.008 -0.017	13	14.3	10.15	1.15
FF17	-	BF17	-	-	20/25	17	-0.008 -0.017	16	16.2	13.15	1.15
FF20	EF20	(BF20)	AF20	-	25/28/30	20	-0.008 -0.017	19(16)	19	15.35(13.35)	1.35
FF25	-	BF25	AF25	-	30/32/36	25	-0.008 -0.017	20	23.9	16.35	1.35
FF30	-	BF30	-	-	36/40	30	-0.008 -0.018	21	28.6	17.75	1.75
-	-	BF35	-	-	40/45	35	-0.008 -0.018	22	33	18.75	1.75
-	-	BF40	-	-	50	40	-0.008 -0.018	23	38	19.95	1.95

Precision lock nut series

Vertical accuracy 0.005mm, easy installation, high-strength bolts

CONTENTS

Locking latches

Many different designs

AKD produces many types of precision lock nuts with locking pins. List two types: R and F. With these two nuts, bearings and other components can be axially positioned simply and reliably on the shaft and ensure precision. What makes them special is the three phosphor bronze locking pins evenly distributed along the circumference. These pins prevent the nut from turning by pressing against the shaft thread with a hexagon flat head screw. Easy to install and design. No need for additional locking washers or slots in the shaft. The angle of the locking pin and flat head screw to the shaft is the same as the thread surface. The end of the locking pin and the thread are processed in one process, so it also has a thread gear shape. The nut is completely locked in place through the friction between the locking pin and the shaft thread and the adhesive friction between the thread surfaces. Thus, the locking pin fails to bear the axial load acting on the nut. When the nut is locked, the thread surface will not release the axial load, and the nut will not deform (Figure 1). Another advantage of F-nut is that it can be adjusted. Three equally spaced locking pins can accurately position the nut so that the nut is perpendicular to the shaft. The locking pins can also be used to adjust for imprecision or deviation of other parts to be installed on the shaft. Since the locking pins will not deform, R and F nuts can still maintain precision no matter how many times they are assembled and disassembled.

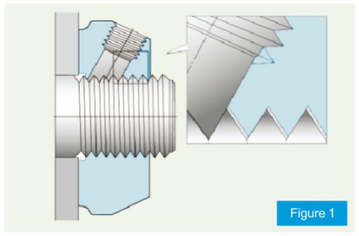


Figure 1

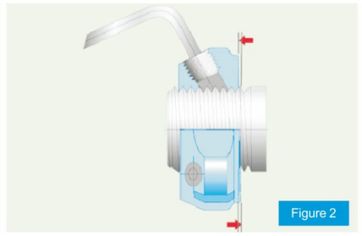


Figure 2


Figure 3

Main Data

Tolerance

The thread is produced according to the tolerance 4H fine turning level, and the vertical accuracy is 0.005mm.

Material

Locking nuts are made of high strength (42CrMo, 45 #, 40Cr) with a hardness of HRC28°-32°: the surface is phosphate coated and lubricated. The locking pin is made of phosphor bronze flat head screw, which is of high-strength bolts of 12.9 grade.

Set-up

R and F lock nuts are very easy to install. There are grooves on the circumference, and different types of wrenches can be selected according to the application and nut size, including hook wrench and impact wrenches (Figure 3) The corresponding sizes of wrench and key (for flat head screw) are given in the product table. To lock the R and F nuts, first gently tighten the flat head screws until the thread of the locking pin is clamped with the shaft thread. Then, alternately and evenly tighten the flat head screws firmly until the tightening torque listed in the product table is reached. The misalignment between the support surface of the thread and the adjacent elements must be corrected by first loosening the flat head screw at the maximum deviation position and tightening the other two screws to the same extent. Loose screws should then be removed. If the correction is not sufficient, repeat the procedure until the required accuracy is achieved.

Dis-assemble

When removing the R and F locking nuts, remember that the locking pins will still fit the shaft thread even after the flat head screws have been loosened. Tapping the nut with a rubber hammer near the flat head screw can loosen the locking pin, and then the nut can be easily unscrewed from the shaft thread.

Screw thread	Axial load capacity	Flat head screw torque	Loosening torque			
			KA/F	KA/R	KA/A	KA/K
M8	30	4.5	–	17	–	–
M10	35	4.5	–	18	–	–
M12	40	4.5	–	19	–	–
M15	60	4.5	–	20	–	–
M17	80	8.0	27	21	25	90
M20	90	8.0	28	24	26	99
M25	130	8.0	30	26	28	101
M30	160	8.0	32	28	29	102
M35	190	18	39	34	37	109
M40	210	18	46	36	42	110
M45	240	18	61	56	59	127
M50	300	18	70	63	66	137
M55	340	18	88	68	74	166
M60	380	18	98	96	81	205
M65	460	18	127	112	88	254
M70	490	18	147	137	96	313
M75	520	18	152	145	103	382
M80	620	18	156	149	113	460
M85	650	18	176	168	128	549
M90	680	18	186	178	137	656
M95	710	18	201	193	152	745
M100	740	18	220	210	172	833
M105	770	35	236	215	186	957
M110	800	35	252	230	206	1127
M115	830	35	268	250	221	1242
M120	860	35	279	264	235	1323
M125	890	35	289	274	250	1389
M130	920	35	313	294	265	1421
M135	950	35	352	328	304	1576
M140	980	35	392	372	324	1610
M145	1010	35	436	402	353	1680
M150	1040	35	480	421	392	1710
M155	1070	35	519	460	422	1850
M160	1100	35	563	509	461	1931
M165	1130	35	598	529	495	1989
M170	1160	35	647	558	520	2052
M180	1220	60	686	558	559	2214
M190	1280	60	735	627	598	2596
M200	1340	60	794	666	637	2731

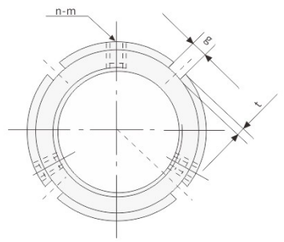
Remarks: (1) The above data are for reference (2) 1NM=10.2kgf.cm=0.73lb.ft (3) Customized non-standard nuts

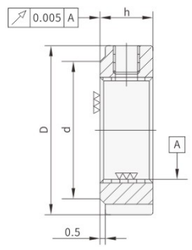
Precision locking nut (R-type radial locking)

Introduction to the Product

The YCR locking method is radial three-point locking, its thickness is thin, and it is suitable for the mounting environment where the thickness space is limited to a certain extent. In radial locking, because the locking copper is perpendicular to the male thread, the torque of the locking copper is too large, it is easy to reduce the axial load of the nut.

Product Application	Used in machine tool spindle, ball screw support bearing, precision spindle and precision tester		
Material	42CrMo、45#、40Cr	Hardness	HRC28°——32°
Thread accuracy	ISO4H	Plane yaw	≤0.005mm





Thread	D	h	g	t	d	n–m	MAX.Nm
YCR-M6×0.5	16	8	3	2	11	2-M4	3.5
YCR-M8×0.75	16	8	3	2	11	2-M4	3.5
YCR-M10×0.75	18	8	3	2	13	2-M4	3.5
YCR-M10×1.0	18	8	3	2	13	2-M4	3.5
YCR-M12×1.0	20	8	3	2	15	2-M4	3.5
YCR-M12×1.25	20	8	3	2	15	2-M4	3.5
YCR-M14×1.5	25	8	3	2	20	2-M4	3.5
YCR-M15×1.0	25	8	3	2	20	2-M4	3.5
YCR-M16×1.5	28	10	4	2	23	2-M5	4.5
YCR-M17×1.0	28	10	4	2	23	2-M5	4.5
YCR-M18×1.5	30	10	4	2	25	2-M5	4.5
YCR-M20×1.0	32	10	4	2	27	3-M5	4.5
YCR-M20×1.5	32	10	4	2	27	3-M5	4.5
YCR-M22×1.5	35	10	4	2	30	3-M5	4.5
YCR-M24×1.5	38	12	5	2	33	3-M6	8
YCR-M25×1.5	38	12	5	2	33	3-M6	8
YCR-M27×1.5	42	12	5	2	37	3-M6	8
YCR-M30×1.0	45	12	5	2	40	3-M6	8
YCR-M30×1.5	45	12	5	2	40	3-M6	8
YCR-M33×1.5	52	12	5	2	45	3-M6	8
YCR-M35×1.5	52	12	5	2	47	3-M6	8
YCR-M36×1.5	55	14	6	2.5	49	3-M6	8
YCR-M38×1.5	58	14	6	2.5	52	3-M6	8
YCR-M39×1.5	58	14	6	2.5	52	3-M6	8
YCR-M40×1.5	58	14	6	2.5	52	3-M6	8
YCR-M42×1.5	62	14	6	2.5	56	3-M6	8
YCR-M45×1.5	65	14	6	2.5	59	3-M6	8
YCR-M48×1.5	68	14	6	2.5	62	3-M6	8

Thread	D	h	g	t	d	n–m	MAX.Nm
YCR-M50×1.5	70	14	6	2.5	64	3-M8	18
YCR-M52×1.5	73	16	8	3	66	3-M8	18
YCR-M55×2.0	75	16	8	3	68	3-M8	18
YCR-M56×2.0	77	16	8	3	70	3-M8	18
YCR-M60×2.0	80	16	8	3	73	3-M8	18
YCR-M64×2.0	85	16	8	3	78	3-M8	18
YCR-M65×2.0	85	16	8	3	78	3-M8	18
YCR-M68×2.0	92	18	8	3.5	84	3-M8	18
YCR-M70×2.0	92	18	8	3.5	84	3-M8	18
YCR-M72×2.0	95	18	8	3.5	86	3-M8	18
YCR-M75×2.0	98	18	8	3.5	90	3-M8	18
YCR-M76×2.0	100	18	8	3.5	92	3-M8	18
YCR-M80×2.0	105	18	8	3.5	96	3-M8	18
YCR-M85×2.0	110	18	8	3.5	102	3-M8	18
YCR-M90×2.0	120	20	10	4	108	3-M8	18
YCR-M95×2.0	125	20	10	4	113	3-M8	18
YCR-M100×2.0	130	20	10	4	118	3-M8	18
YCR-M105×2.0	140	22	12	5	125	3-M8	18
YCR-M110×2.0	145	22	12	5	132	3-M8	18
YCR-M115×2.0	150	22	12	5	137	3-M8	18
YCR-M120×2.0	155	24	12	5	142	3-M8	18
YCR-M125×2.0	160	24	12	5	147	3-M8	18
YCR-M130×2.0	165	24	12	5	152	3-M8	18
YCR-M135×2.0	175	26	14	6	160	3-M10	35
YCR-M140×2.0	180	26	14	6	165	3-M10	35
YCR-M145×2.0	190	26	14	6	175	3-M10	35
YCR-M150×2.0	195	26	14	6	180	3-M10	35
YCR-M155×3.0	200	28	16	7	180	3-M10	35
YCR-M160×3.0	210	28	16	7	190	3-M10	35
YCR-M165×3.0	210	28	16	7	190	3-M10	35
YCR-M170×3.0	220	28	16	7	200	3-M10	35
YCR-M180×3.0	230	30	18	8	205	3-M12	60
YCR-M190×3.0	240	30	18	8	215	3-M12	60
YCR-M200×3.0	250	32	18	8	225	3-M12	60
YCR-M210×4.0	260	32	18	8	240	3-M12	60
YCR-M220×3.0	270	32	18	8	250	3-M12	60
YCR-M220×4.0	270	32	18	8	250	3-M12	60
YCR-M230×3.0	280	34	20	9	258	3-M12	60
YCR-M240×3.0	290	34	20	9	268	3-M12	60
YCR-M240×4.0	290	34	20	9	268	3-M12	60
YCR-M250x3.0	295	34	20	9	278	3-M12	60
YCR-M260×3.0	310	34	20	10	288	3-M12	100
YCR-M260×4.0	310	34	20	10	288	3-M12	100
YCR-M270x4.0	320	34	22	10	298	3-M14	100
YCR-M280x4.0	330	34	22	10	308	3-M14	100
YCR-M290x4.0	340	36	24	11	315	3-M14	100
YCR-M300x4.0	350	36	24	11	325	3-M14	100

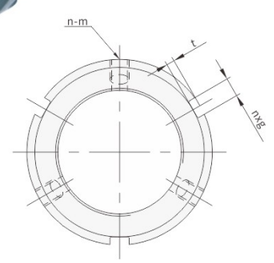
Remarks: (1) The above data are for reference (2) 1NM=10.2kgf.cm=0.73lb.ft (3) Customized non-standard nuts

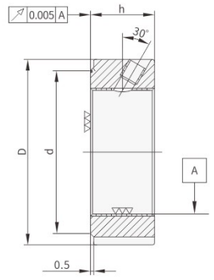
Flank locking - F precision locking nut

Introduction to the Product

YCF locking nut, its locking copper is designed at an angle of 30° to the thread, and it does not bear the axial load acting on the thread. When the nut is locked, the thread surface will not release the axial load, and the nut will not be deformed. Three equally spaced locking copper can be used to adjust the deviation of other components to be installed on the shaft. Since the locking copper will not be deformed, the F nut can still maintain precision after multiple dismantling and assembly.

Product Application	Used in machine tool spindle, ball screw support bearing, precision spindle and precision tester		
Material	42CrMo、45#、40Cr	Hardness	HRC28°——32°
Thread accuracy	ISO4H	Plane yaw	≤0.005mm





Thread	D	h	g	t	d	n–m	MAX.Nm
YCF-M12×1.5	30	14	25	3-4	2	3-M6	4.5
YCF-M14×1.5	30	14	25	3-4	2	3-M6	4.5
YCF-M15×1.0	30	14	25	3-4	2	3-M6	4.5
YCF-M16×1.5	30	14	25	3-4	2	3-M6	4.5
YCF-M17×1.0	32	16	27	3-4	2	3-M6	4.5
YCF-M18×1.5	32	16	27	3-4	2	3-M6	4.5
YCF-M20×1.0	38	16	33	3-5	2	3-M6	4.5
YCF-M20×1.5	38	16	33	3-5	2	3-M6	8
YCF-M22×1.5	38	16	33	3-5	2	3-M6	8
YCF-M24×1.5	38	18	33	3-5	2	3-M6	8
YCF-M25×1.5	38	18	33	3-5	2	3-M6	8
YCF-M27×1.5	40	18	35	3-5	2	3-M6	8
YCF-M30×1.5	45	18	40	3-5	2	3-M6	8
YCF-M33×1.5	50	18	45	3-5	2	3-M6	8
YCF-M35×1.5	52	18	47	3-5	2	3-M8	18
YCF-M36×1.5	52	18	47	3-5	2	3-M8	18
YCF-M39×1.5	58	20	52	3-6	2.5	3-M8	18
YCF-M40×1.5	58	20	52	3-6	2.5	3-M8	18
YCF-M42×1.5	62	20	56	3-6	2.5	3-M8	18
YCF-M45×1.5	65	20	59	3-6	2.5	3-M8	18
YCF-M48×1.5	70	20	64	3-6	2.5	3-M8	18
YCF-M50×1.5	70	20	64	3-6	2.5	3-M8	18
YCF-M52×1.5	73	22	66	3-8	3	3-M8	18
YCF-M55×1.5	75	22	68	3-8	3	3-M8	18

AKD

Precision locking nut (flank radial locking)

Thread	D	h	g	t	d	n–m	MAX.Nm
YCF-M55×2.0	75	22	68	3-8	3	3-M8	18
YCF-M56×1.5	75	22	68	3-8	3	3-M8	18
YCF-M56×2.0	75	22	68	3-8	3	3-M8	18
YCF-M60×2.0	80	22	73	3-8	3	3-M8	18
YCF-M64×1.5	85	22	78	3-8	3	3-M8	18
YCF-M64×2.0	85	22	78	3-8	3	3-M8	18
YCF-M65×2.0	85	22	78	3-8	3	3-M8	18
YCF-M68×2.0	92	24	84	3-8	3.5	3-M8	18
YCF-M70×2.0	92	24	84	3-8	3.5	3-M8	18
YCF-M72×2.0	94	24	86	3-8	3.5	3-M8	18
YCF-M75×2.0	98	24	90	3-8	3.5	3-M8	18
YCF-M76×2.0	98	24	90	3-8	3.5	3-M8	18
YCF-M80×2.0	105	24	96	3-8	3.5	3-M8	18
YCF-M85×2.0	110	24	102	3-8	3.5	3-M8	18
YCF-M90×2.0	120	26	108	6-10	4	3-M8	18
YCF-M95×2.0	125	26	113	6-10	4	3-M8	18
YCF-M100×2.0	130	26	118	6-10	4	3-M8	18
YCF-M105×2.0	140	28	125	6-10	4	3-M10	35
YCF-M110×2.0	145	28	132	6-10	4	3-M10	35
YCF-M115×2.0	150	28	137	6-10	4	3-M10	35
YCF-M120×2.0	155	30	142	6-12	5	3-M10	35
YCF-M125×2.0	160	30	147	6-12	5	3-M10	35
YCF-M130×2.0	165	30	152	6-12	5	3-M10	35
YCF-M135×2.0	175	32	160	6-12	5	3-M10	35
YCF-M140×2.0	180	32	165	6-12	5	3-M10	35
YCF-M145×2.0	190	32	175	6-12	5	3-M10	35
YCF-M150×2.0	195	32	180	6-12	5	3-M10	35
YCF-M155×3.0	200	34	180	6-14	6	3-M10	35
YCF-M160×3.0	210	34	190	6-14	6	3-M10	35
YCF-M165×3.0	210	34	190	6-14	6	3-M10	35
YCF-M170×3.0	220	34	200	6-14	6	3-M10	35
YCF-M180×3.0	230	36	205	6-16	7	3-M12	60
YCF-M190×3.0	240	36	215	6-16	7	3-M12	60
YCF-M200×3.0	250	38	225	6-16	7	3-M12	60
YCF-M210×3.0	260	38	245	6-16	7	3-M12	60
YCF-M220×3.0	270	38	255	6-16	7	3-M12	60
YCF-M230×3.0	280	40	258	6-16	9	3-M12	60
YCF-M240×3.0	290	40	268	6-16	9	3-M12	60
YCF-M250×3.0	300	40	278	6-16	9	3-M12	60
YCF-M260×4.0	310	40	288	6-20	10		100
YCF-M270×4.0	320	40	298	6-20	10	3-M14	100
YCF-M280×4.0	330	40	308	6-20	10	3-M14	100
YCF-M290×4.0	340	42	315	6-22	11	3-M14	100
YCF-M300×4.0	320	42	325	6-22	11	3-M14	100

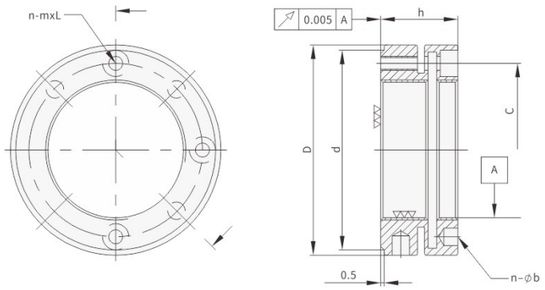
Remarks: (1) The above data are for reference　(2) 1NM=10.2kgf.cm=0.73lb.ft　(3) Customized non-standard nuts

Tightening lock - K precision locking nut

Introduction to the Product

YCK type locking nut adopts 4-6 high strength bolts, and its screw thread are locked by axial deformation. It is suitable for working in harsh environment, easy to loosen and high torque environment, and the precision of nut deflection can be adjusted by adjusting the tightening force of axial screws.

Product Application	Used in machine tool spindle, ball screw support bearing, precision spindle and precision tester		
Material	42CrMo、45#、40Cr	Hardness	HRC28°——32°
Thread accuracy	ISO4H	Plane yaw	≤0.005mm



Thread	D	h	d	n-mxl	c	n	b	MAX.Nm
YCK-M18×1.5	38	18	34	4-M4×12	28	4	4	3.5
YCK-M20×1.0	40	18	36	4-M4×12	30	4	4	3.5
YCK-M20×1.5	40	18	36	4-M4×12	30	4	4	3.5
YCK-M22×1.5	42	18	38	4-M4×12	32	4	4	3.5
YCK-M24×1.5	44	18	41	4-M4×12	34	4	4	3.5
YCK-M25×1.5	45	20	41	4-M4×14	35	4	5	3.5
YCK-M26×1.5	45	20	41	4-M4×14	35	4	5	3.5
YCK-M27×1.5	46	20	43	4-M4×14	37	4	5	3.5
YCK-M28×1.5	46	20	43	4-M4×14	37	4	5	3.5
YCK-M30×1.5	48	20	45	4-M4×14	39	4	5	3.5
YCK-M32×1.5	50	22	47	4-M4×14	41	4	5	3.5
YCK-M33×1.5	50	22	47	4-M4×16	41	4	5	3.5
YCK-M35×1.5	53	22	50	4-M4×16	44	4	5	3.5
YCK-M36×1.5	53	22	50	4-M4×16	44	4	5	3.5
YCK-M38×1.5	56	22	53	4-M4×16	47	4	5	3.5
YCK-M39×1.5	56	22	53	4-M4×16	47	4	5	3.5
YCK-M40×1.5	58	22	55	4-M4×16	49	4	5	3.5
YCK-M42×1.5	60	22	57	4-M4×16	51	4	5	3.5
YCK-M45×1.5	68	22	63	6-M4×16	57	6	6	3.5
YCK-M48×1.5	69	25	65	6-M4×18	58	6	6	3.5
YCK-M50×2.0	70	25	66	6-M4×18	60	6	6	3.5
YCK-M52×2.0	72	25	68	6-M4×18	62	6	6	3.5
YCK-M55×1.5	75	25	71	6-M4×18	65	6	6	3.5
YCK-M55×2.0	75	25	71	6-M4×18	65	6	6	4.5
YCK-M56×1.5	82	26	77	6-M5×18	70	6	6	4.5
YCK-M56×2.0	82	26	77	6-M5×18	70	6	6	4.5
YCK-M58×1.5	82	26	77	6-M5×18	70	6	6	4.5
YCK-M60×1.5	84	26	79	6-M5×18	72	6	6	4.5

Thread	D	h	d	n-mxl	c	n	b	MAX.Nm
YCK-M60×2.0	84	26	79	6-M5×18	72	6	6	4.5
YCK-M62×1.5	86	28	82	6-M5×20	75	6	6	4.5
YCK-M64×1.5	86	28	82	6-M5×20	75	6	6	4.5
YCK-M64×2.0	86	28	82	6-M5×20	75	6	6	4.5
YCK-M65×1.5	88	28	84	6-M5×20	77	6	6	4.5
YCK-M65×2.0	88	28	84	6-M5×20	77	6	6	4.5
YCK-M68×1.5	93	28	89	6-M5×20	80	6	7	4.5
YCK-M68×2.0	93	28	89	6-M5×20	80	6	7	4.5
YCK-M70×1.5	95	28	89	6 M5×20	82	6	7	4.5
YCK-M70×2.0	95	28	89	6-M5×20	82	6	7	4.5
YCK-M72×1.5	97	28	91	6-M5×20	84	6	7	4.5
YCK-M72×2.0	97	28	91	6-M5×20	84	6	7	4.5
YCK-M75×1.5	100	28	94	6-M5×20	87	6	7	4.5
YCK-M75×2.0	100	28	94	6-M5×20	87	6	7	4.5
YCK-M78×1.5	110	32	102	6-M6×22	94	6	8	4.5
YCK-M80×2.0	110	32	103	6-M6×22	95	6	8	8
YCK-M85×2.0	115	32	108	6-M6×22	100	6	8	8
YCK-M88×1.5	120	32	112	6-M6×22	104	6	8	8
YCK-M90×2.0	120	32	113	6-M6×22	105	6	8	8
YCK-M95×2.0	125	32	118	6-M6×22	110	6	8	8
YCK-M100×2.0	130	32	123	6-M6×22	115	6	8	8
YCK-M105×2.0	135	32	128	6-M6×22	120	6	8	8
YCK-M110×2.0	140	32	133	6-M6×22	125	6	8	8
YCK-M115×2.0	145	34	138	6-M6×22	130	6	8	8
YCK-M116×2.0	145	34	138	6-M6×22	130	6	8	8
YCK-M120×2.0	155	36	146	6-M6×25	136	6	8	8
YCK-M125×2.0	160	36	150	6-M6×25	140	6	8	8
YCK-M130×2.0	165	36	156	6-M6×25	148	6	8	8
YCK-M130×3.0	165	36	156	6-M6×25	148	6	8	8
YCK-M140×2.0	180	38	168	6-M6×25	160	8	10	8
YCK-M140×3.0	180	38	168	8-M6×25	160	8	10	8
YCK-M150×2.0	190	38	178	8-M6×25	170	8	10	8
YCK-M150×3.0	190	38	178	8-M6×25	170	8	10	8
YCK-M160×3.0	205	40	193	8-M8×30	182	8	10	18
YCK-M170×3.0	215	40	204	8-M8×30	193	8	10	18
YCK-M180×3.0	230	40	216	8-M8×30	205	8	10	18
YCK-M190×3.0	240	40	226	8-M8×30	215	8	10	18
YCK-M200×3.0	245	40	234	8-M8×30	223	8	10	18
YCK-M210×4.0	265	40	253	8-M8×25	243	8	10	18
YCK-M220×3.0	265	40	255	8-M8×30	243	8	10	18
YCK-M220×4.0	265	40	253	8-M8×30	243	8	10	18
YCK-M225×3.0	275	42	260	8-M10×30	247	8	10	18
YCK-M230×3.0	275	42	265	8-M10×30	251	8	10	18
YCK-M235×3.0	285	42	270	8-M10×30	257	8	10	18
YCK-M240×3.0	285	42	275	8-M10×30	261	8	10	35
YCK-M250×3.0	295	42	285	8-M10×30	271	8	12	35
YCK-M260×3.0	305	42	295	8-M10×30	283	8	12	35
YCK-M270×3.0	315	42	305	8-M10×30	293	8	12	35
YCK-M280×3.0	325	42	315	8-M10×30	303	8	12	35
YCK-M295×4.0	340	42	331	8-M10×30	318	8	12	35
YCK-M300×4.0	345	42	335	8-M10×30	323	8	12	35

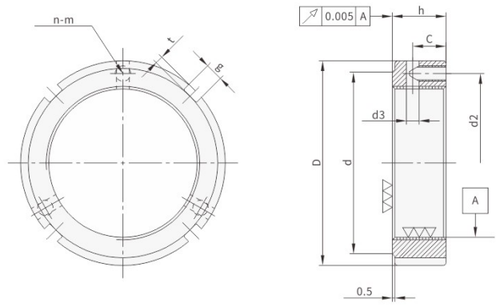
Remarks: (1) The above data are for reference (2) 1NM=10.2kgf.cm=0.73lb.ft (3) Customized non-standard nuts

Axial locking - A precision locking nut

Introduction to the Product

YCA type locking mode is axial three-point locking, its thickness is the same as F series, axial three -point locking is its characteristic, suitable for special environmental restrictions of assembly work.

Product Application	Used in machine tool spindle, ball screw support bearing, precision spindle and precision tester		
Material	42CrMo、45#、40Cr	Hardness	HRC28°——32°
Thread accuracy	ISO4H	Plane yaw	≤0.005mm



Thread	D	h	g	t	d	n-m	MAX.Nm
YCA-M12×1.0	30	14	4	2	25	2-M4	3.5
YCA-M14×1.5	30	14	4	2	25	2-M4	3.5
YCA-M15×1.0	30	14	4	2	25	2-M4	3.5
YCA-M16×1.5	30	14	4	2	25	2-M4	3.5
YCA-M17×1.0	32	16	4	2	27	2-M4	3.5
YCA-M18×1.5	32	16	4	2	27	3-M4	3.5
YCA-M20×1.0	38	16	5	2	33	3-M4	3.5
YCA-M20×1.5	38	16	5	2	33	3-M4	3.5
YCA-M22×1.5	38	16	5	2	33	3-M4	3.5
YCA-M24×1.5	38	18	5	2	33	3-M4	3.5
YCA-M25×1.5	38	18	5	2	33	3-M4	3.5
YCA-M27×1.5	40	18	5	2	35	3-M4	3.5
YCA-M30×1.5	45	18	5	2	40	3-M4	3.5
YCA-M33×1.5	50	18	5	2	45	3-M4	3.5
YCA-M35×1.5	52	18	5	2	47	3-M6	8
YCA-M36×1.5	52	18	5	2	47	3-M6	8
YCA-M39×1.5	58	20	6	2.5	52	3-M6	8
YCA-M40×1.5	58	20	6	2.5	52	3-M6	8
YCA-M42×1.5	62	20	6	2.5	56	3-M6	8
YCA-M45×1.5	65	20	6	2.5	59	3-M6	8
YCA-M48×1.5	70	20	6	2.5	64	3-M6	8
YCA-M50×1.5	70	20	6	2.5	64	3-M6	8

Thread	D	h	g	t	d	n-m	MAX.Nm
YCA-M50×2.0	70	20	6	2.5	64	3-M6	8
YCA-M52×1.5	73	22	8	3	66	3-M6	8
YCA-M55×2.0	75	22	8	3	68	3-M6	8
YCA-M56×2.0	75	22	8	3	68	3-M6	8
YCA-M60×2.0	80	22	8	3	73	3-M6	8
YCA-M64×2.0	85	22	8	3	78	3-M6	8
YCA-M65×2.0	85	22	8	3	78	3-M6	8
YCA-M68×2.0	92	24	8	3.5	84	3-M8	18
YCA-M70×2.0	92	24	8	3.5	84	3-M8	18
YCA-M72×2.0	94	24	8	3.5	86	3-M8	18
YCA-M75×2.0	98	24	8	3.5	90	3-M8	18
YCA-M76×2.0	98	24	8	3.5	90	3-M8	18
YCA-M80×2.0	105	24	8	3.5	96	3-M8	18
YCA-M85×2.0	110	24	8	3.5	102	3-M8	18
YCA-M90×2.0	120	26	10	4	108	3-M8	18
YCA-M95×2.0	125	26	10	4	113	3-M8	18
YCA-M100×2.0	130	26	10	4	118	3-M8	18
YCA-M105×2.0	140	28	12	5	125	3-M8	18
YCA-M110×2.0	145	28	12	5	132	3-M8	18
YCA-M115×2.0	150	28	12	5	137	3-M8	18
YCA-M120×2.0	155	30	12	5	142	3-M8	18
YCA-M125×2.0	160	30	12	5	147	3-M8	18
YCA-M130×2.0	165	30	12	5	152	3-M8	18
YCA-M135×2.0	175	32	14	6	160	3-M10	35
YCA-M140×2.0	180	32	14	6	165	3-M10	35
YCA-M145×2.0	190	32	14	6	175	3-M10	35
YCA-M150×2.0	195	32	14	6	180	3-M10	35
YCA-M155×3.0	200	34	16	7	180	3-M10	35
YCA-M160×3.0	210	34	16	7	190	3-M10	35
YCA-M165×3.0	210	34	16	7	190	3-M10	35
YCA-M170×3.0	220	34	16	7	200	3-M10	35
YCA-M180×3.0	230	36	18	8	205	3-M12	60
YCA-M190×3.0	240	36	18	8	215	3-M12	60
YCA-M200×3.0	250	38	18	8	225	3-M12	60
YCA-M210×3.0	260	38	18	8	240	3-M12	60
YCA-M220×3.0	270	40	18	8	250	3-M12	60
YCA-M230×3.0	280	40	20	9	258	3-M12	85
YCA-M240×3.0	290	40	20	9	268	3-M12	85
YCA-M250×3.0	300	40	22	9	278	3-M12	85
YCA-M260×4.0	310	40	22	10	288	3-M14	100
YCA-M280×4.0	330	42	22	10	308	3-M14	100
YCA-M300×4.0	350	42	24	11	325	3-M14	100

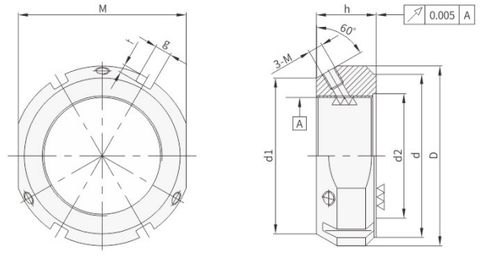
Remarks: (1) The above data are for reference (2) 1NM=10.2kgf.cm=0.73lb.ft (3) Customized non-standard nuts

Precision lock nut (thickened T)

Introduction to the Product

The thickened T locking nut is machined with four grooves along the circumference; Nuts of size 15 or less are machined with two facing planes and can be clamped with a normal wrench. The design meets the requirements of high precision, simple mounting and stable locking

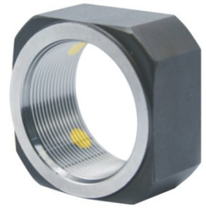
Product Application	Used in machine tool spindle, ball screw support bearing, precision spindle and precision tester		
Material	42CrMo、45#、40Cr	Hardness	HRC28°——32°
Thread accuracy	ISO4H	Plane yaw	≤0.005mm



Thread	d1	D	d	d2	h	g	t	M	n-m	MAX.Nm
YCT-M10X0.75	21	28	23	11	14	4	2	24	3-M5	4.5
YCT-M12X1.0	23	30	25	13	14	4	2	27	3-M5	4.5
YCT-M15X1.0	26	33	28	16	16	4	2	30	3-M5	4.5
YCT-M17X1.0	29	37	33	18	18	5	2	34	3-M6	8
YCT-M20X1.0	32	40	35	21	18	5	2	36	3-M6	8
YCT-M25X1.5	36	44	39	2	20	5	2	41	3-M6	8
YCT-M30X1.5	41	49	44	32	20	5	2	46	3-M6	8
YCT-M35X1.5	46	54	49	38	22	5	2	50	3-M6	8
YCT-M40X1.5	54	65	59	42	22	6	2.5	60	3-M8	8
YCT-M45X1.5	60	70	64	48	22	6	2.5	65	3-M8	8
YCT-M50X1.5	64	75	68	52	25	7	3	70	3-M8	8
YCT-M55X2.0	74	85	78	58	25	7	3	80	3-M8	18
YCT-M60X2.0	78	90	82	62	26	8	3.5	85	3-M8	18
YCT-M65X2.0	83	95	87	68	28	8	3.5	90	3-M8	18
YCT-M70X2.0	88	100	92	72	28	8	3.5	95	3-M8	18
YCT-M75X2.0	93	105	97	77	28	8	3.5	100	3-M8	18
YCT-M80X2.0	98	110	100	83	32	8	4	-	3-M8	18
YCT-M85X2.0	107	120	110	88	32	10	4	-	3-M10	35
YCT-M90X2.0	112	125	115	93	32	10	4	-	3-M10	35
YCT-M95X2.0	117	130	120	98	32	10	4	-	3-M10	35
YCT-M100X2.0	122	135	125	103	32	10	4	-	3-M10	35
YCT-M110X2.0	132	145	134	112	32	10	4	-	3-M10	35
YCT-M120X2.0	142	155	144	122	32	10	4	-	3-M10	35
YCT-M130X2.0	152	165	154	132	32	12	5	-	3-M10	35
YCT-M140X2.0	162	175	164	142	32	14	5	-	3-M10	35
YCT-M150X2.0	172	185	174	152	32	14	5	-	3-M10	35
YCT-M160X3.0	182	195	184	162	32	14	5	-	3-M10	35
YCT-M170X3.0	192	205	192	172	32	14	5	-	3-M10	35
YCT-M180X3.0	202	215	204	182	32	16	5	-	3-M10	35
YCT-M190X3.0	212	225	214	192	32	16	5	-	3-M10	35
YCT-M200X3.0	222	235	224	202	32	18	5	-	3-M10	35

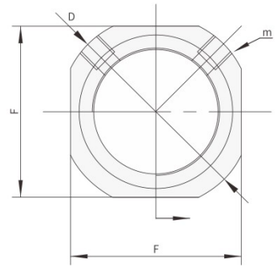
Remarks: (1) The above data are for reference (2) 1NM=10.2kgf.cm=0.73lb.ft (3) Customized non-standard nuts

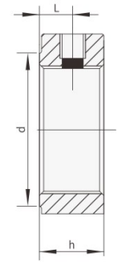
Square locking RN



Introduction to the Product

RN lock nut is square, suitable for bearing support seat, the internal thread and the end face are machined at the same time to ensure the accuracy of the organization,





Thread	D	h	d	m	L	F	MAX.Nm
RN-M5X0.5	12.5	5	9	2-M3	2.7	11	0.9
RN-M6X0.75	13.5	5	10	2-M3	2.7	12	0.9
RN-M8X1.0	16	6.5	12	2-M4	3.5	14	0.9
RN-M10X1.0	19	8	14	2-M4	5	16	0.9
RN-M12X1.0	22	8	17	2-M4	5	19	3.5
RN-M15X1.0	25	8	20	2-M4	4.75	22	3.5
RN-M16X1.5	29	10	22	2-M5	5.5	24	3.5
RN-M17X1.0-h10	29	10	22	2-M5	5.5	24	3.5
RN-M17X1.0	29	13	22	2-M5	9	24	3.5
RN-M20X1.0	35	11	27	2-M5	7	30	8
RN-M25X1.5	43	15	33	2-M6	10	35	8
RN-M30X1.5	48	20	38	2-M6	14	40	8
RN-M35X1.5	60	21	47	2-M8	14	50	8
RN-M40X1.5-h21	60	21	48	2-M8	14	48	8
RN-M40X1.5	62	25	48	2-M8	18	50	8

Remarks: (1) The above data are for reference (2) 1NM=10.2kgf.cm=0.73lb.ft (3) Customized non-standard nuts

Coupling Series

CONTENTS

Introduction to Couplings

Coupling

A coupling is a mechanical component that connects two shafts (drive shaft and driven shaft) in different mechanisms, enabling them to rotate together to transmit torque or rotational angle. Couplings compensate for displacements that occur between the two shafts and possess the ability to absorb vibrations and mitigate impacts. Even if excessive torque is applied to the rotating shaft due to abnormal conditions during operation, the coupling will fail first, thereby protecting the motor.

Selection of Couplings

1. While couplings are mechanical components designed to transmit torque and rotational angle, each type has its specific advantages. Therefore, during the selection process, it is essential to fully consider the necessary characteristics for the application to choose the appropriate coupling.
2. Once the selection is determined, refer to the dimensions and technical parameters provided in this product catalog to decide on the model.
3. Please verify whether the dimensions, technical parameters such as shaft diameter, rated torque, and allowable speed of the selected model meet the installation requirements.

Torque Calculation

1. Calculation of the torque borne by the coupling: The torque [Ta] borne by the coupling is determined based on the power [KW] of the driving machine (motor) and the rotational speed [n] of the coupling.

$$Ta(N\cdot m)=9550\times\frac{kW}{n(r/min)}$$

2.Calculation of Compensation Torque
Calculate the compensation torque applied to the coupling based on the usage and operating conditions.

$$Td\,[N\cdot m]=Ta\cdot K1\cdot K2\cdot K3\cdot K4$$

Load Nature Coefficient (K1)			
Normal	Fluctuating: Small	Fluctuating: Medium	Fluctuating: Large
1.0	1.25	1.75	2.25

Operating Time Coefficient (K2)			
Hours/day	-8	-16	-24
K2	1.0	1.12	1.25

Ambient Temperature Coefficient (K3)						
Times/hour	~10	~30	~60	~120	~240	Above 240
K3	1.0	1.1	1.3	1.5	2.0	2.5≤

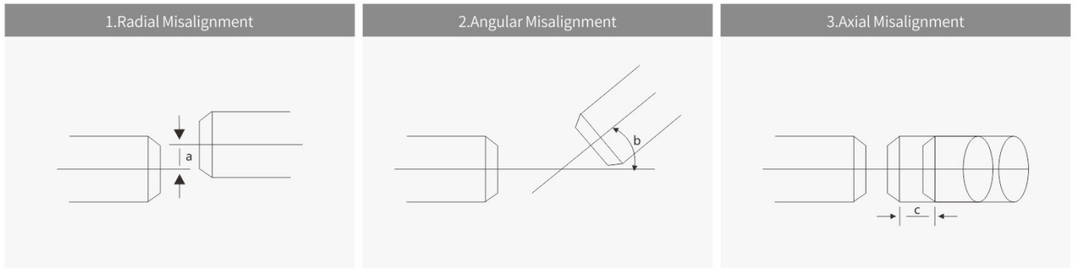
Ambient Temperature Coefficient (K4)				
Temperature [℃]	-30~+30	~+40	~+60	~+80
K4	1.0	1.2	1.4	1.8

3.Please select a coupling specification where the rated torque of the coupling is greater than the calculated compensation torque.

Installation of Couplings

1.When installing the coupling, ensure strict alignment adjustment is performed. It is recommended to use a male and female fit method for aligning the two shafts, or place a right-angle ruler against the outer circumference of the coupling body and check at two points approximately 90 degrees apart to determine the concentricity of the coupling. Otherwise, the service life of the coupling will be significantly affected depending on the accuracy of the alignment.
2.To prevent accidents during installation, always disconnect the main power supply of the driving device and confirm safety before proceeding.
3.Before installing the coupling, remove any dust, debris, or foreign objects from the mounting shafts and the bore surfaces of the coupling.
4.To fully utilize the performance of the coupling, when two or more deviations occur simultaneously during installation, the allowable values considered during selection should be reduced to half or less.

Explanation of Misalignments During Coupling Installation



Technical Specifications Table for Servo Motors and General-purpose Motors

Servo Motor Parameter Table

Rated Output (kW)	Rated Speed (min^{-1})	Rated Torque (N.m)	Allowable Torque (N.m)	Shaft Diameter (mm)
0.05	3000	0.16	0.48	8
0.1	3000	0.32	0.95	8
0.2	3000	0.64	1.9	14
0.4	3000	1.30	3.8	14
0.5	2000	2.39	7.16	24
0.5	3000	1.59	4.77	24
0.75	2000	3.58	10.7	22
0.75	3000	2.40	7.2	19
0.85	1000	8.12	24.4	24
1	2000	4.78	14.4	24
1	3000	3.18	9.55	24
1.2	1000	11.50	34.4	35
1.5	2000	7.16	21.6	28
1.5	3000	4.78	14.3	24
2	2000	9.55	28.5	35
2	3000	6.37	15.9	24
3	1000	28.60	85.9	35
3.5	2000	16.70	50.1	35
3.5	3000	11.10	27.9	28
5	2000	23.90	71.6	35
5	3000	15.90	39.7	28
7	2000	33.40	100	35

*The values in the above table are simplified calculations for the clamping-type based on the shaft size of the corresponding servo motor and the allowable transmission torque of the coupling. They do not guarantee performance under zero-backlash conditions.

*The above table shows general specifications for servo motors. Since the torque characteristics of servo motors vary by manufacturer, please confirm the appropriate coupling size by referring to the manufacturer's product catalog.

General-purpose Motor Parameter Table

Motor		50Hz : 3000min^{-1} 60Hz : 3000min^{-1}		50Hz : 1500min^{-1} 60Hz : 1800min^{-1}		50Hz : 1000min^{-1} 60Hz : 1200min^{-1}	
		2-Pole Motor		4-Pole Motor		6-Pole Motor	
Output (kW)	Frequency (HZ)	Shaft Diameter (mm)	Torque (N.m)	Shaft Diameter (mm)	Torque (N.m)	Shaft Diameter (mm)	Torque (N.m)
0.1	50	-	-	11	0.7	-	-
	60	-	-	11	0.5	-	-
0.2	50	11	0.7	11	1.3	-	-
	60	11	0.5	11	1.1	-	-
0.4	50	14	1.3	14	2.6	19	3.9
	60	14	1.1	14	2.2	19	3.2
0.75	50	19	2.4	19	4.9	24	7.3
	60	19	2	19	4.1	24	6.1
1.5	50	24	4.9	24	9.7	28	15
	60	24	4.1	24	8.1	28	12
2.2	50	24	7.1	28	14	28	21
	60	24	6	28	12	28	18
3.7	50	28	12	28	24	38	36
	60	28	10	28	20	38	30
5.5	50	38	18	38	36	38	54
	60	38	15	38	30	38	45
7.5	50	38	24	38	49	42	72
	60	38	20	38	41	42	60
1.1	50	42	36	42	71	42	108
	60	42	30	42	59	42	90
15	50	42	49	42	97	-	-
	60	42	42	42	81	-	-
18.5	50	42	65	-	-	-	-
	60	42	50	-	-	-	-

*The above table indicates suitable dimensions for keys and set-screw types when used with general-purpose motor drive shafts. It does not represent the selection for zero-backlash specifications.

*The motor speed and output torque are calculated values (reference values).

Set-screw Direct Fixation Type

A low-cost and most common connection method. However, as the screw tip directly contacts the shaft, it may damage the shaft or make disassembly difficult. Please be advised.

Clamping Screw Fixation Type

Utilizes the tightening force of socket head screws to contract the slit, thereby firmly clamping the shaft. Installation and disassembly are easy and straightforward, preventing damage to the shaft.

Split Clamping Screw Fixation Type

Since the shaft sleeve can be completely separated, positioning, fixation, and disassembly can be performed without moving the shaft. Additionally, it causes no damage to the shaft.

Set-screw with Keyway Type

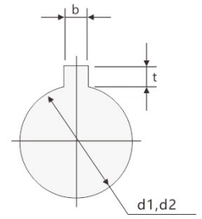
Similar to the direct set-screw fixation type, this is a traditional fixation method. Suitable for transmitting higher torque, it is often used in combination with the set-screw direct fixation type or clamping type to prevent axial movement.

Taper-Lock Bush Type

A connection method that utilizes the wedge effect of the tapered bush, enabling a reliable and stable connection. Suitable for high-torque transmission and often used in machine tool spindles.

Keyway Machining Dimensions Reference Table

Unit: mm

Shaft Diameter	Standard Machined Keyway Dimensions				Keyway Size	Standard Keyway Machining Drawing
d1/d2	b		t		(bXh)	
	Slot Width	Tolerance	Slot Width	Tolerance		
Φ6~Φ7.9	2	±0.0125	1.0	+0.10	2×2	
Φ8~Φ10	3		1.4		3×3	
Φ10.1~Φ12	4	±0.0150	1.8		4×4	
Φ12.1~Φ17	5		2.3		5×5	
Φ17.1~Φ22	6		2.8		6×6	
Φ22.1~Φ30	8	±0.0180	3.3	+0.20	8×7	
Φ30.1~Φ38	10		3.3		10×8	
Φ38.1~Φ44	12	±0.0215	3.3		12×8	
Φ44.1~Φ50	14		3.8		14×9	
Φ50.1~Φ58	16		4.3		16×10	
Φ58.1~Φ65	18		4.4		18×11	

Safety Precautions

To ensure the safe use of this product, please read the "Safety Precautions" carefully before use.

DANGER

Improper use may result in severe personal injury or even death.

- Always install protective covers on the equipment to enclose rotating parts such as couplings. Contact with operating products may cause injury to hands or fingers.
- To avoid hazards, protective devices must be installed.
- Always disconnect the power supply during installation or removal of the product.
- Screws (set screws or socket head screws) must be properly tightened using drivers, wrenches, or torque wrenches.
- Do not exceed the permissible rotational speed of the product.
- Do not disassemble or modify the product.

CAUTION

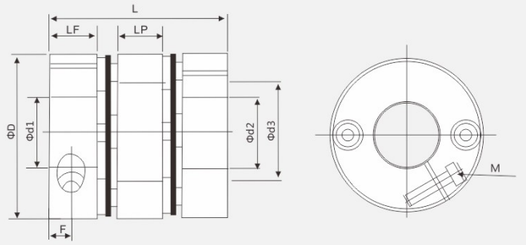
Improper use may cause injury to persons or objects, or property damage.

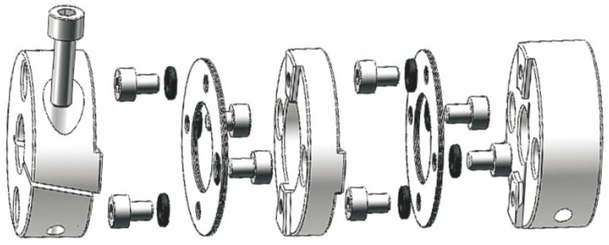
- Use the product within the allowable misalignment limits. Operating beyond these limits may damage the coupling itself and adversely affect surrounding equipment.
- When selecting a coupling, ensure that the continuous load torque during operation is lower than the rated torque. Otherwise, the coupling may be damaged, potentially causing adverse effects on related equipment.
- Always use the specified set screws (hex socket grub screws) or socket head screws.
- Do not use the product in environments that may negatively affect its performance.
  If abnormal noise or vibration occurs during operation, stop the equipment immediately and check for misalignment, interference between shafts, or loose screws.
- For equipment with significant load fluctuations, apply anti-loosening adhesive to screws or use a larger coupling model.
- When disposing of the product, engage a specialized waste disposal company to avoid environmental harm.
- Do not touch the product immediately after operation stops. Heat from surrounding equipment may transfer to the product, causing it to become extremely hot and potentially leading to burns.

SFC-High-Sensitivity Aluminum Alloy Double Diaphragm Clamping Series

Features

> The hub is made of high-strength aluminum alloy.
> The diaphragm is made of 304 stainless steel.
> High torsional rigidity enables precise control of shaft rotation, allowing for high-accuracy positioning.
> Zero-backlash connection between the shaft and hub, specifically designed for servo and stepper motors.
> Ultra-low inertia and high sensitivity, suitable for high-speed operation.
> Identical performance characteristics in both clockwise and counterclockwise rotation.
> Stainless steel diaphragm compensates for angular and axial misalignment.





Model Examples

SFC □□ × □□ - □□K□ - □□K□
Series Diameter Lenght d1Bore d2Bore

Example: SFC-32X41-8-12
SFC: Series
32: Diameter
41: Length
8: d1 bore
12: d2 bore
K: Keyway added (no symbol: standard without keyway)
□: Keyway width (no symbol: standard keyway according to national standard)

Note: If an additional keyway is required, it will be treated as a non-standard custom order. Please add "K" after the shaft diameter in the model number.
Example: SFC-32X41-8K-12K indicates that keyways are added to both inner bores.

SFC-High-Sensitivity Aluminum Alloy Double Diaphragm Clamping Series

Outline Dimensions Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	L	LF	LP	Φd3	S	F	M	Tightening Torque (N.m)
SFC-16×23.2	3-4-4.5-5-6	16	23.2	8	6.6	6.8	0.3	3	M2.5	1
SFC-20×26	5-6-6.35-7-8	20	26	9	7.4	8.1	0.3	3.7	M2.5	1
SFC-25×30.2	5-6-6.35-7-8-9-9.525-10	25	30.2	10.5	8	10.4	0.6	4	M3	1.5
SFC-32×41	8-9-9.525-10-11-12-12.7-14	32	41	14.05	11.1	15	0.9	6	M4	3.5
SFC-40×47	10-11-12-12.7-14-15-16-17-18	40	47	16.9	10.8	19.5	1.2	7.8	M5	8
SFC-50×53	10-11-12-12.7-14-15-16-17-18-19-20-22-24	50	53	19.75	10.5	25	1.5	9	M6	13

Note: The inner bores at both ends of the coupling can be freely combined from the minimum to the maximum bore diameters. The bores are machined using the H7 standard tolerance. The bore sizes marked in the table are for reference only. For specific customer-required bore diameters, please contact customer service, sales representatives, or other relevant technical personnel to inquire about detailed parameters.

Technical Specifications Table

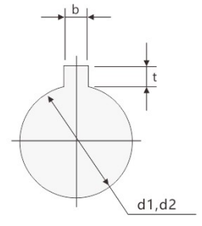
Unit: mm

Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia ($kg \cdot m^2$)	Coupling Weight (g)
SFC-16×23.2	0.9	0.15	2	±0.20	6000	450	2.7×10^{-7}	12
SFC-20×26	1.3	0.15	2	±0.20	5500	700	8.0×10^{-7}	26
SFC-25×30.2	2.8	0.15	2	±0.30	5000	950	2.5×10^{-6}	45
SFC-32×41	5	0.15	2	±0.40	4000	1100	6.6×10^{-6}	73
SFC-40×47	9	0.2	2	±0.50	3800	2800	1.9×10^{-5}	100
SFC-50×53	16	0.2	2	±0.60	3500	3400	5.0×10^{-4}	193

Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

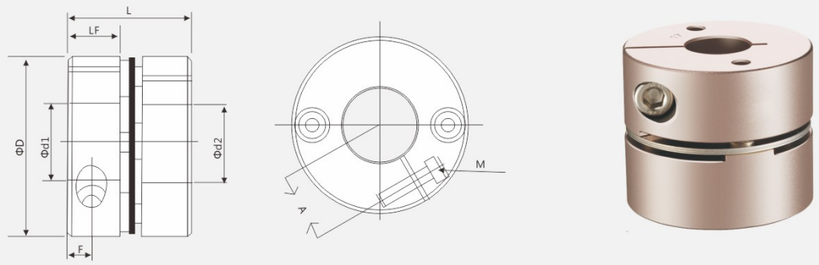
Keyway Machining Dimensions Reference Table

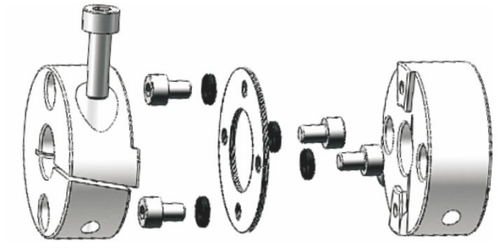
Unit: mm

Shaft Diameter	Standard Machined Keyway Dimensions				Keyway Size	Standard Keyway Machining Drawing
d1/d2	b		t		(bXh)	
	Slot Width	Tolerance	Slot Width	Tolerance		
Φ6~Φ7.9	2	±0.0125	1.0	+0.10	2×2	
Φ8~Φ10	3		1.4		3×3	
Φ10.1~Φ12	4	±0.0150	1.8		4×4	
Φ12.1~Φ17	5		2.3		5×5	
Φ17.1~Φ22	6		2.8		6×6	
Φ22.1~Φ30	8	±0.0180	3.3	+0.20	8×7	
Φ30.1~Φ38	10		3.3		10×8	
Φ38.1~Φ44	12	±0.0215	3.3		12×8	
Φ44.1~Φ50	14		3.8		14×9	
Φ50.1~Φ58	16		4.3		16×10	
Φ58.1~Φ65	18		4.4		18×11	

Features

> The hub is made of high-strength aluminum alloy.
> The diaphragm is made of 304 stainless steel.
> High torsional rigidity enables precise control of shaft rotation, allowing for high-accuracy positioning.
> Zero-backlash connection between the shaft and hub, specifically designed for servo and stepper motors.
> Ultra-low inertia and high sensitivity, suitable for high-speed operation.
> Identical performance characteristics in both clockwise and counterclockwise rotation.
> Stainless steel diaphragm compensates for angular and axial misalignment.





Model Examples

SEC □□ × □□ - □□K□ - □□K□
Series Diameter Lenght d1Bore d2Bore

Example: SEC-32 X 29-8-12
SEC: Series
32: Diameter
29: Length
8: d1 bore
12: d2 bore
K: Keyway added (Non-standard keyway width)

Note: If an additional keyway is required, it will be treated as a non-standard custom order. Please add "K" after the shaft diameter in the model number.
Example: SEC-32 X 29-8K-12K indicates that keyways are added to both inner bores.

Outline Dimensions Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	L	LF	A	F	M	Tightening Torque (N.m)
SEC-16×16.5	4-4.5-5-6	16	16.5	8.1	5	3	M2.5	1
SEC-20×18.4	4-5-6-6.35-7-8	20	18.4	9	6.5	3.7	M2.5	1
SEC-25×21.6	5-6-6.35-7-8-9-9.525-10	25	21.6	10.5	8.5	4	M3	1.5
SEC-32×29	8-9-9.525-10-11-12-12.7-14	32	29	14.05	10	6	M4	3.5
SEC-40×35	8-9.525-10-11-12-12.7-14-15-16-17-18	40	35	16.9	13.1	7.8	M5	8
SEC-50×41	10-11-12-12.7-14-15-16-17-18-19-20-22-24	50	41	19.75	16.7	9	M6	13

Note: The inner bores at both ends of the coupling can be freely combined from the minimum to the maximum bore diameters. The bores are machined using the H7 standard tolerance. The bore sizes marked in the table are for reference only. For specific customer-required bore diameters, please contact customer service, sales representatives, or other relevant technical personnel to inquire about detailed parameters.

Technical Specifications Table

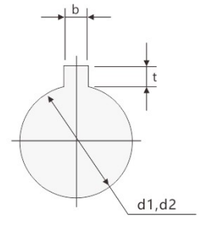
Unit: mm

Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia ($kg \cdot m^2$)	Coupling Weight (g)
SEC-16×16.5	0.9	0.1	1	±0.10	6000	650	2.7×10	8
SEC-20×18.4	1.3	0.1	1	±0.10	5500	950	7.0×10^{-7}	13
SEC-25×21.6	2.8	0.1	1	±0.20	5000	1300	2.2×10^{-6}	24
SEC-32×29	5	0.1	1	±0.20	4000	1400	5.6×10^{-6}	53
SEC-40×35	9	0.15	1	±0.20	3800	3300	1.5×10^{-5}	90
SEC-50×41	16	0.15	1	±0.30	3500	4000	3.9×10^{-5}	180

Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

Keyway Machining Dimensions Reference Table

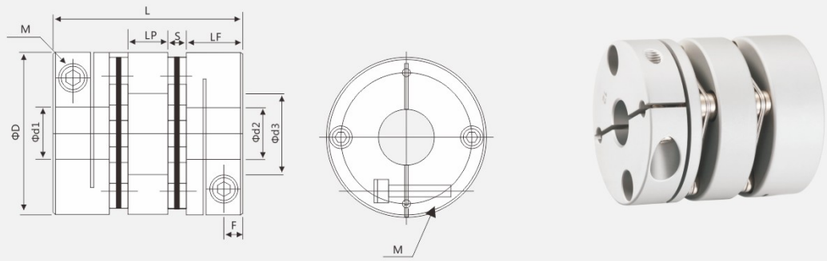
Unit: mm

Shaft Diameter	Standard Machined Keyway Dimensions				Keyway Size	Standard Keyway Machining Drawing
d1/d2	b		t		(bXh)	
	Slot Width	Tolerance	Slot Width	Tolerance		
Φ6~Φ7.9	2	±0.0125	1.0	+0.10	2×2	
Φ8~Φ10	3		1.4		3×3	
Φ10.1~Φ12	4	±0.0150	1.8		4×4	
Φ12.1~Φ17	5		2.3		5×5	
Φ17.1~Φ22	6		2.8		6×6	
Φ22.1~Φ30	8	±0.0180	3.3	+0.20	8×7	
Φ30.1~Φ38	10		3.3		10×8	
Φ38.1~Φ44	12	±0.0215	3.3		12×8	
Φ44.1~Φ50	14		3.8		14×9	
Φ50.1~Φ58	16		4.3		16×10	
Φ58.1~Φ65	18		4.4		18×11	

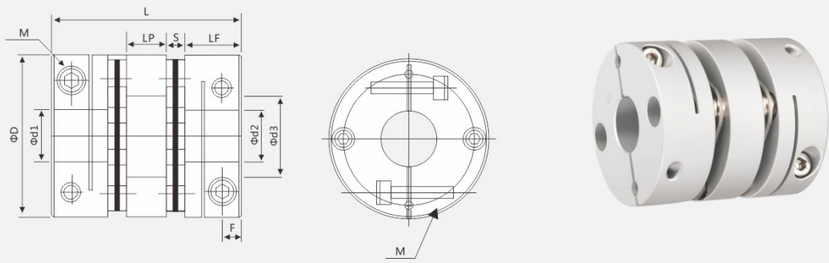
Features

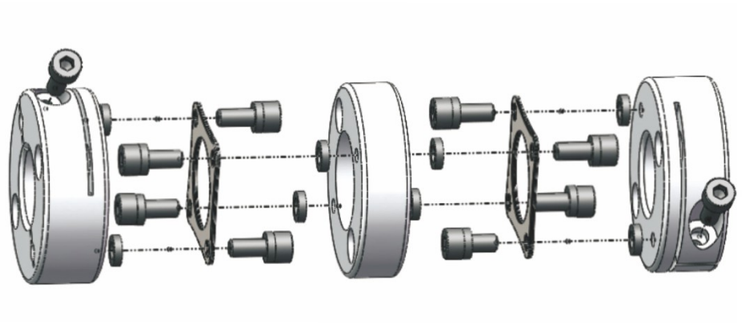
> The hub is made of high-strength aluminum alloy.
> The diaphragm is made of 304 stainless steel.
> High torsional rigidity enables precise control of shaft rotation, allowing for high-accuracy positioning.
> Zero-backlash connection between the shaft and hub, specifically designed for servo and stepper motors.
> Ultra-low inertia and high sensitivity, suitable for high-speed operation.
> Identical performance characteristics in both clockwise and counterclockwise rotation.
> Stainless steel diaphragm compensates for angular and axial misalignment.

Outer Diameter
Φ19~Φ44



Outer Diameter
Φ56~Φ82





Model Examples

SFD □□ × □□ - □□K□ - □□K□
Series Diameter Lenght d1Bore d2Bore

Example: SFD-32 X 41-8-12
SFD: Series
32: Diameter
41: Length
8: d1 bore
12: d2 bore
K: Keyway added (Non-standard keyway width)

Note: If an additional keyway is required, it will be treated as a non-standard custom order. Please add "K" after the shaft diameter in the model number.
Example: SFD-32X41-8K-12K indicates that keyways are added to both inner bores.

Technical Specifications Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	L	LF	LP	Φd3	S	F	M	Tightening Torque (N.m)
SFD-12×15.9	3-4-5	12	15.9	5.9	3	8.5	0.55	2.1	M1.6	0.23~0.28
SFD-16×23	3-4-5-6	16	23	7.9	4.8	11.6	1.25	2.6	M2	0.4~0.5
SFD-19×27	3-4-5-6-6.35-7-8	19	27	9.1	5.2	9	1.8	3.3	M2.5	1
SFD-20×28.8	3-4-5-6-6.35-7-8	20	28.8	10.6	4	8.5	1.8	3.5	M2.5	1
SFD-26×35	5-6-6.35-7-8-9-9.525-10-11-12-14	26	35	11.35	7.1	12.5	2.6	3.9	M3	1.5
SFD-29×34.3	5-6-6.35-7-8-9-9.525-10-11-12-14	29	34.3	11.85	6.6	14.5	2.0	3.5	M3	1.5
SFD-32×41	5-6-6.35-8-9-9.525-10-11-12-12.7-14-15	32	41	12.25	9.5	15	3.5	3.85	M3	1.5
SFD-33×40	5-6-6.35-8-9-9.525-10-11-12-12.7-14-15-16	33	40	12.25	8.5	16	3.5	4.0	M3	1.5
SFD-34×45	5-6-6.35-8-9-9.525-10-11-12-12.7-14-15-16	34	45	14.25	9.5	16	3.5	4.85	M4	3.5
SFD-39×50	8-9-9.525-10-11-12-12.7-14-15-16-17-18-19	39	50	14.9	11.2	19.3	4.5	5.0	M4	3.5
SFD-44×50	8-9-9.525-10-11-12-12.7-14-15-16-17-18-19-20-22	44	50	14.9	11.2	22.5	4.5	5.0	M4	3.5
SFD-56×64	10-12-14-15-16-17-18-19-20-22-24-25-28-30-32	56	64	19.75	13.5	32.5	5.5	6.4	M5	8
SFD-68×75	12-14-15-16-17-18-19-20-22-24-25-28-30-32-35-38	68	75	23.35	15.7	38.3	6.3	7.7	M6	13
SFD-82×98	17-18-19-20-22-24-25-28-30-32-35-38-40-42	82	98	30	22	45.5	8.0	9.7	M8	28

Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

Technical Specifications Table

Unit: mm

Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia ($kg \cdot m^2$)	Hub Material	Diaphragm Material	Surface Treatment	Coupling Weight (g)
SFD-12×15.9	0.25	0.03	1	±0.08	10000	133	7.67×10^{-8}	High-Strength Aluminum Alloy	SUS304 Stainless Steel	Anodizing Treatment	3.7
SFD-16×23	0.6	0.05	1	±0.1	10000	255	3.58×10^{-7}				10
SFD-19×27	1	0.12	1.5	±0.18	10000	700	9.1×10^{-7}				14
SFD-20×28.8	1	0.10	2.0	±0.20	10000	550	1.1×10^{-6}				19
SFD-26×35	2	0.15	1.5	±0.30	10000	1850	3.0×10^{-6}				37
SFD-29×34.3	2	0.15	2.0	±0.30	10000	1200	5.5×10^{-6}				43
SFD-32×41	6	0.17	1.5	±0.36	10000	2850	7.6×10^{-6}				67
SFD-33×40	6	0.20	2.0	±0.40	10000	1500	1.1×10^{-5}				60
SFD-34×45	6	0.17	1.5	±0.36	10000	4050	9.0×10^{-6}				77
SFD-39×50	13	0.22	1.5	±0.45	10000	9000	3.0×10^{-5}				118
SFD-44×50	15	0.22	1.5	±0.54	10000	10000	3.8×10^{-5}				144
SFD-56×64	28	0.27	1.5	±0.72	10000	25000	1.6×10^{-5}				318
SFD-68×75	60	0.31	1.5	±0.80	9000	35000	2.0×10^{-4}				492
SFD-82×98	100	0.55	1.5	±0.80	8000	70000	2.5×10^{-4}				1013

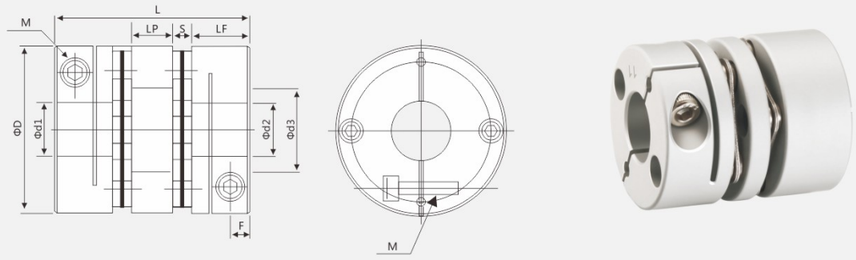
Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

*For shaft diameter and bore tolerances, the use of H7 tolerance is recommended.
*Keyways and other special bore shapes can be machined.
*Customization of non-standard outer diameters, lengths, and bore diameters is supported. Please provide precise parameters and drawings when requesting customization.

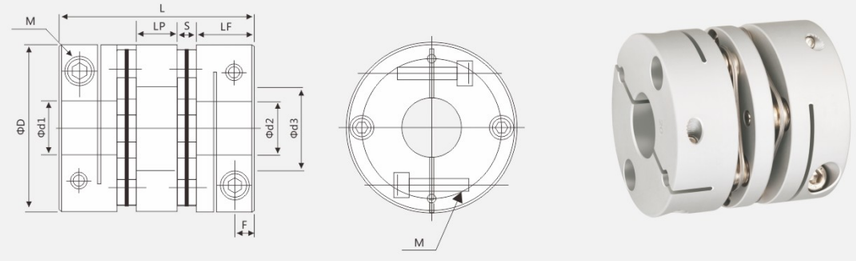
Features

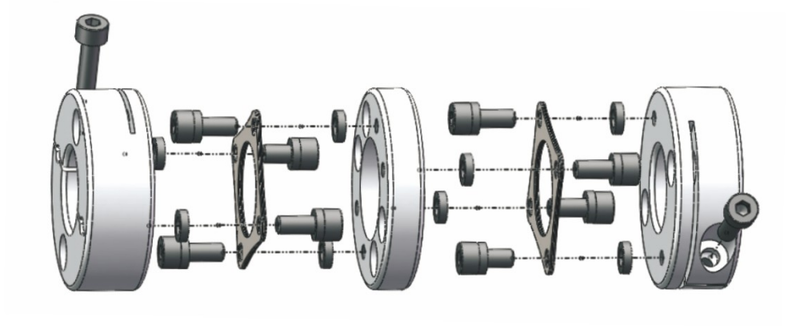
> The hub is made of high-strength aluminum alloy.
> The diaphragm is made of 304 stainless steel.
> High torsional rigidity enables precise control of shaft rotation, allowing for high-accuracy positioning.
> Zero-backlash connection between the shaft and hub, specifically designed for servo and stepper motors.
> Ultra-low inertia and high sensitivity, suitable for high-speed operation.
> Identical performance characteristics in both clockwise and counterclockwise rotation.
> Stainless steel diaphragm compensates for angular and axial misalignment.

Outer Diameter
Φ19~Φ44



Outer Diameter
Φ56~Φ82





Model Examples

SFDS □□ × □□ - □□K□ - □□K□
Series Diameter Lenght d1Bore d2Bore

Example: SFDS-26 X 30-8-9
SFDS: Series
26: Diameter
30: Length
8: d1 bore
9: d2 bore
K: Keyway (Non-standard Keyway Width)

Note: If an additional keyway is required, it will be treated as a non-standard custom order. Please add "K" after the shaft diameter in the model number.
Example: SFDS-26X30-8K-9K indicates that keyways are added to both inner bores.

Technical Specifications Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	L	LF	LP	Φd3	S	F	M	Tightening Torque (N.m)
SFDS-19×24.5	3-4-5-6-6.35-7-8	19	24.5	9.1	2.7	9	1.8	3.3	M2.5	1
SFDS-26×30	5-6-6.35-7-8-9-9.525-10-11-12-12.7	26	30	10.6	3.6	12.5	2.6	3.9	M3	1.5
SFDS-32×38	6-6.35-7-8-9-9.525-10-11-12-12.7-14-15	32	38	12.25	6.5	15	3.5	3.85	M3	1.5
SFDS-34×38	6-6.35-7-8-9-9.525-10-11-12-12.7-14-15	34	38	12.25	6.5	16	3.5	3.85	M3	1.5
SFDS-39×47	6-8-9-9.525-10-11-12-12.7-14-15-16-17-18-19	39	47	14.9	8.2	19.3	4.5	5	M4	3.5
SFDS-44×47	6-8-9-9.525-10-11-12-12.7-14-15-16-17-18-19-20-22	44	47	14.9	8.2	22.5	4.5	5	M4	3.5
SFDS-56×57	12-14-15-16-17-18-19-20-22-24-25-28-30-32	56	57	19.75	6.5	32.5	5.5	6.4	M5	8
SFDS-68×68	16-17-18-19-20-22-24-25-28-30-32-35-38	68	68	23.35	8.7	38.3	6.3	7.7	M6	13
SFDS-82×87	17-18-19-20-22-24-25-28-30-32-35-38-40-42	82	87	30	11	45.5	8	9.7	M8	28

Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

Technical Specifications Table

Unit: mm

Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia (kg·m²)	Hub Material	Diaphragm Material	Surface Treatment	Coupling Weight (g)
SFDS-19×24.5	1	0.12	1.5	±0.18	10000	500	8.19×10^{-6}	High-Strength Aluminum Alloy	SUS304 Stainless Steel	Anodizing Treatment	13.6
SFDS-26×30	2	0.15	1.5	±0.3	10000	1850	2.7×10^{-6}				32
SFDS-32×38	6	0.17	1.5	±0.36	10000	2850	7.6×10^{-5}				58
SFDS-34×38	6	0.17	1.5	±0.36	10000	4050	9.0×10^{-5}				71
SFDS-39×47	13	0.22	1.5	±0.45	10000	9000	2.7×10^{-5}				110
SFDS-44×47	15	0.22	1.5	±0.54	10000	10000	3.8×10^{-5}				134
SFDS-56×57	25	0.27	1.5	±0.72	10000	25000	1.14×10^{-4}				298
SFDS-68×68	60	0.31	1.5	±0.8	10000	35000	1.8×10^{-4}				472
SFDS-82×87	80	0.55	1.5	±0.8	10000	70000	2.25×10^{-4}				983

Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

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Features

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> High torsional rigidity enables precise control of shaft rotation, allowing for high-accuracy positioning.
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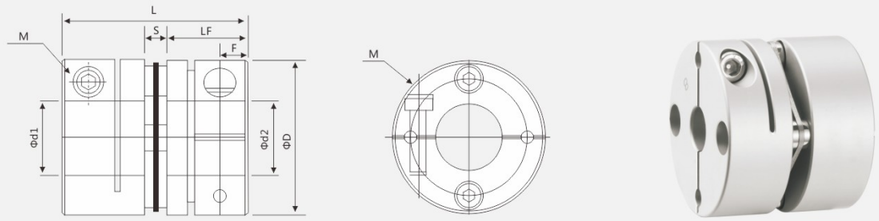
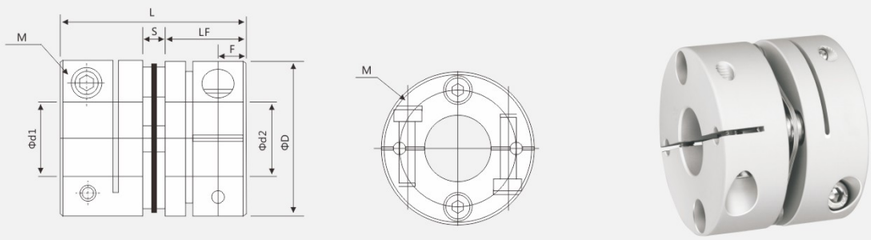
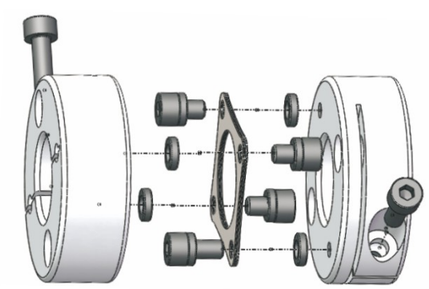
> Ultra-low inertia and high sensitivity, suitable for high-speed operation.
> Identical performance characteristics in both clockwise and counterclockwise rotation.
> Stainless steel diaphragm compensates for angular and axial misalignment.

Outer Diameter
Φ12~Φ44



Outer Diameter
Φ56~Φ82





Model Examples

SFK □□ × □□ - □□K□ - □□K□
Series Diameter Lenght d1Bore d2Bore

Example: SFK-32 X 28-8-9
SFK: Series
32: Diameter
28: Length
8: d1 bore
9: d2 bore
K: Keyway (Non-standard Keyway Width)

Note: If an additional keyway is required, it will be treated as a non-standard custom order. Please add "K" after the shaft diameter in the model number.
Example: SFK-32X28-8K-9K indicates that keyways are added to both inner bores.

Technical Specifications Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	L	LF	S	F	M	Tightening Torque (N.m)
SFK-12×12.35	3-4-5	12	12.35	5.9	0.55	2.1	M1.6	0.23~0.28
SFK-16×17	3-4-5-6	16	17	7.9	1.25	2.6	M2	0.4~0.5
SFK-19×20	3-4-5-6-6.35-7-8	19	20	9.1	1.8	3.3	M2.5	1
SFK-20×23	3-4-5-6-6.35-7-8	20	23	10.6	1.8	3.6	M2.5	1
SFK-26×26	3-4-5-6-6.35-7-8-9-9.525-10-11-12-14	26	26	11.35	2.6	3.9	M3	1.5
SFK-29×25.7	5-6-6.35-7-8-9-9.525-10-11-12	29	25.7	11.85	2.0	3.8	M3	1.5
SFK-32×28	5-6-6.35-7-8-9-9.525-10-11-12-12.7-14-15	32	28	12.25	3.5	3.85	M3	1.5
SFK-33×28.5	5-6-6.35-7-8-9-9.525-10-11-12-12.7-14-15	33	28.5	12.25	3.5	4.1	M3	1.5
SFK-34×32	5-6-6.35-8-9-9.525-10-11-12-12.7-14-15-16	34	32	14.25	3.5	4.5	M4	3.5
SFK-39×34.5	8-9-9.525-10-11-12-12.7-14-15-16-17-18-19	39	34.5	14.9	4.5	4.5	M4	3.5
SFK-44×34.5	8-9-9.525-10-11-12-12.7-14-15-16-17-18-19-20-22-24	44	34.5	14.9	4.5	4.8	M4	3.5
SFK-56×45	10-12-14-15-16-17-18-19-20-22-24-25-28-30-32	56	45	19.75	5.3	6.3	M5	8
SFK-68×53	12-14-15-16-17-18-19-20-22-24-25-28-30-32-35-38	68	53	23.35	6.3	8.0	M6	13
SFK-82×68	17-18-19-20-22-24-25-28-30-32-35-38-40-42	82	68	30	8	8.0	M8	28

Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

Technical Specifications Table

Unit: mm

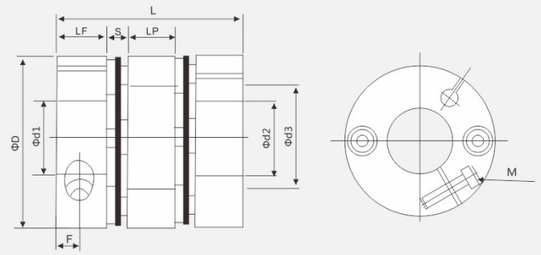
Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia ($kg \cdot m^2$)	Hub Material	Diaphragm Material	Surface Treatment	Coupling Weight (g)
SFK-12×12.35	0.25	0.01	0.5	±0.04	10000	266	5.9×10^{-8}	High-Strength Aluminum Alloy	SUS304 Stainless Steel	Anodizing Treatment	3
SFK-16×17	0.6	0.02	0.5	±0.05	10000	510	2.63×10^{-7}				7
SFK-19×20	1	0.1	1	±0.09	10000	1400	6.7×10^{-7}				11
SFK-20×23	1	0.1	2	±0.10	10000	1800	2.2×10^{-6}				20
SFK-26×26	2	0.1	2	±0.14	10000	3700	2.2×10^{-6}				28
SFK-29×25.7	2	0.1	1	±0.18	10000	3700	6.7×10^{-6}				35
SFK-32×28	6	0.1	2	±0.18	10000	5700	7.1×10^{-6}				46
SFK-33×28.5	6	0.1	1	±0.18	10000	5800	7.8×10^{-6}				50
SFK-34×32	6	0.1	2	±0.18	10000	8100	8.0×10^{-6}				55
SFK-39×34.5	13	0.1	1	±0.23	10000	18000	2.2×10^{-5}				81
SFK-44×34.5	15	0.1	1	±0.27	10000	20000	2.8×10^{-5}				99
SFK-56×45	25	0.1	1	±0.36	10000	50000	1.2×10^{-4}				217
SFK-68×53	60	0.1	1	±0.40	9000	70000	1.5×10^{-4}				348
SFK-82×68	80	0.1	1	±0.50	8000	140000	1.8×10^{-4}				689

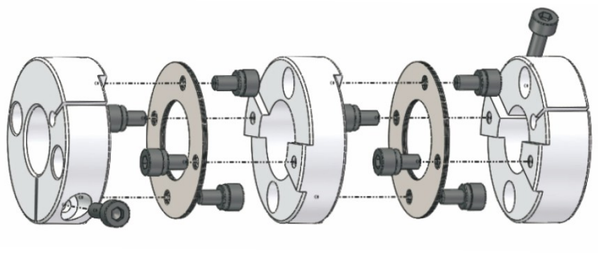
Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

*For shaft diameter and bore tolerances, the use of H7 tolerance is recommended.
*Keyways and other special bore shapes can be machined.
*Customization of non-standard outer diameters, lengths, and bore diameters is supported. Please provide precise parameters and drawings when requesting customization.

Features

> The hub is made of high-strength aluminum alloy.
> The diaphragm is made of 304 stainless steel.
> High torsional rigidity enables precise control of shaft rotation, allowing for high-accuracy positioning.
> Zero-backlash connection between the shaft and hub, specifically designed for servo and stepper motors.
> Ultra-low inertia and high sensitivity, suitable for high-speed operation.
> Identical performance characteristics in both clockwise and counterclockwise rotation.
> Stainless steel diaphragm compensates for angular and axial misalignment.





Model Examples

SLD □□ × □□ - □□K□ - □□K□
Series / Diameter / Lenght / d1Bore / d2Bore

Example: SLD-34 X 35-8-9
SLD: Series
34: Diameter
35: Length
8: d1 bore
9: d2 bore
K: Keyway added (Non-standard keyway width)

Note: If an additional keyway is required, it will be treated as a non-standard custom order. Please add "K" after the shaft diameter in the model number.
Example: SLD-34 X 35-8K-9K indicates that keyways are added to both inner bores.

Outline Dimensions Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	L	LF	LP	S	Φd3	F	M	Tightening Torque (N.m)
SLD-16.6×23	3-4-5-6	16.6	23	8	6.4	0.3	6.5	3.3	M2.5	1
SLD-21×24.5	4-5-6-6.35-7-8-9-9.525-10	21	24.5	8.05	7.2	0.6	10.5	3.3	M2.5	1
SLD-28×32.2	6-6.35-7-8-9-9.525-10-11-12-12.7-14	28	32.2	10.4	10.2	0.6	15	3.85	M3	1.5
SLD-34×35	7-8-9-9.525-10-11-12-12.7-14-15-16	34	35	11.2	10.8	0.9	16.5	4.85	M4	3.5
SLD-46×44	9-9.525-10-11-12-12.7-14-15-16-17-18-20-22-24-25	46	44	14.3	13	1.2	25.5	6.5	M4	3.5
SLD-55×55	10-11-12-12.7-14-15-16-17-18-19-20-22-24-25-28-30	55	55	17.8	16.3	1.5	31	8	M5	8

Note: The inner bores at both ends of the coupling can be freely combined from the minimum to the maximum bore diameters. The bores are machined using the H7 standard tolerance. The bore sizes marked in the table are for reference only. For specific customer-required bore diameters, please contact customer service, sales representatives, or other relevant technical personnel to inquire about detailed parameters.

Technical Specifications Table

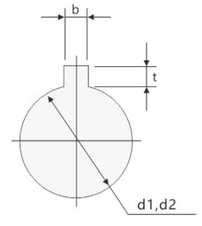
Unit: mm

Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia ($kg \cdot m^2$)	Coupling Weight (g)
SLD-16.6×23	0.5	0.1	1	±0.18	9000	480	4.22×10^{-7}	12
SLD-21×24.5	1	0.1	1	±0.18	8000	750	1.11×10^{-6}	18
SLD-28×32.2	1.5	0.15	1.2	±0.18	8000	2500	4.68×10^{-6}	45
SLD-34×35	3	0.17	1.5	±0.18	8000	4200	1.1×10^{-5}	70
SLD-46×44	9	0.22	1.5	±0.25	8000	11000	3.8×10^{-5}	144
SLD-55×55	25	0.25	1.5	±0.25	8000	16500	1.6×10^{-4}	265

Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

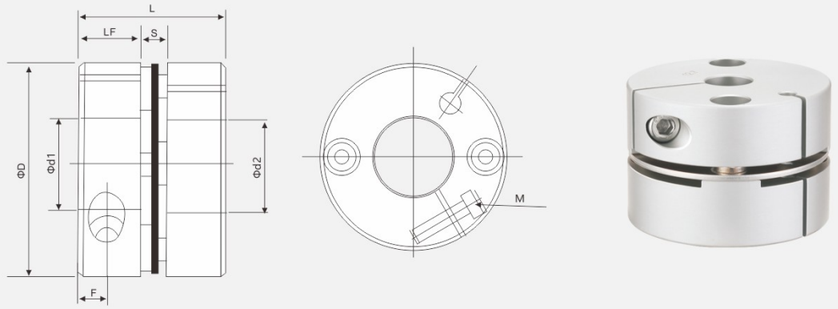
Keyway Machining Dimensions Reference Table

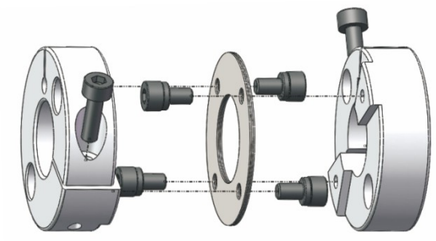
Unit: mm

Shaft Diameter	Standard Machined Keyway Dimensions				Keyway Size	Standard Keyway Machining Drawing
d1/d2	b		t		(bXh)	
	Slot Width	Tolerance	Slot Width	Tolerance		
Φ6~Φ7.9	2	±0.0125	1.0	+0.10	2×2	
Φ8~Φ10	3		1.4		3×3	
Φ10.1~Φ12	4	±0.0150	1.8		4×4	
Φ12.1~Φ17	5		2.3		5×5	
Φ17.1~Φ22	6		2.8		6×6	
Φ22.1~Φ30	8	±0.0180	3.3	+0.20	8×7	
Φ30.1~Φ38	10		3.3		10×8	
Φ38.1~Φ44	12	±0.0215	3.3		12×8	
Φ44.1~Φ50	14		3.8		14×9	
Φ50.1~Φ58	16		4.3		16×10	
Φ58.1~Φ65	18		4.4		18×11	

Features

> The hub is made of high-strength aluminum alloy.
> The diaphragm is made of 304 stainless steel.
> High torsional rigidity enables precise control of shaft rotation, allowing for high-accuracy positioning.
> Zero-backlash connection between the shaft and hub, specifically designed for servo and stepper motors.
> Ultra-low inertia and high sensitivity, suitable for high-speed operation.
> Identical performance characteristics in both clockwise and counterclockwise rotation.
> Stainless steel diaphragm compensates for angular and axial misalignment.





Model Examples

SFE □□ × □□ - □□K□ - □□K□
Series Diameter Lenght d1Bore d2Bore

Example: SFE-34 X 23.3-8-9
SFE: Series
34: Diameter
23.3: Length
8: d1 bore
9: d2 bore
K: Keyway added (Non-standard keyway width)

Note: If an additional keyway is required, it will be treated as a non-standard custom order. Please add "K" after the shaft diameter in the model number.
Example: SFE-34 X 23.3-8K-9K indicates that keyways are added to both inner bores.

Outline Dimensions Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	L	LF	S	F	M	Tightening Torque (N.m)
SFE-16.6×16.6	3-4-5-6	16.6	16.6	8	0.3	3.3	M2.5	1
SFE-21×16.7	3-4-5-6-6.35-7-8	21	16.7	8.05	0.6	3.3	M2.5	1
SFE-28×21.5	5-6-6.35-7-8-9-9.525-10-11-12-12.7-14	28	21.5	10.4	0.6	3.85	M3	1.5
SFE-34×23.3	5-6-6.35-7-8-9-9.525-10-11-12-12.7-14-15-16	34	23.3	11.2	0.9	4.85	M4	3.5
SFE-46×29.8	10-11-12-12.7-14-15-16-17-18-19-20-22-24-25	46	29.8	14.3	1.2	6.5	M4	3.5
SFE-55×37.2	11-12-12.7-14-15-16-17-18-19-20-22-24-25-28-30	55	37.2	17.8	1.5	8	M5	8

Note: The inner bores at both ends of the coupling can be freely combined from the minimum to the maximum bore diameters. The bores are machined using the H7 standard tolerance. The bore sizes marked in the table are for reference only. For specific customer-required bore diameters, please contact customer service, sales representatives, or other relevant technical personnel to inquire about detailed parameters.

Technical Specifications Table

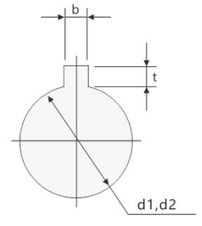
Unit: mm

Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia ($kg \cdot m^2$)	Coupling Weight (g)
SFE-16.6×16.6	0.5	0.1	1	±0.09	9000	950	3.16×10^{-7}	8
SFE-21×16.7	1	0.1	1	±0.14	8000	1600	7.9×10^{-7}	12
SFE-28×21.5	1.5	0.1	1.2	±0.18	8000	5500	3.24×10^{-6}	32
SFE-34×23.3	3	0.1	1.5	±0.18	8000	7500	7.6×10^{-6}	50
SFE-46×29.8	9	0.1	1.5	±0.27	8000	18000	3.23×10^{-5}	102
SFE-55×37.2	25	0.1	1.5	±0.3	8000	30000	8.19×10^{-5}	180

Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

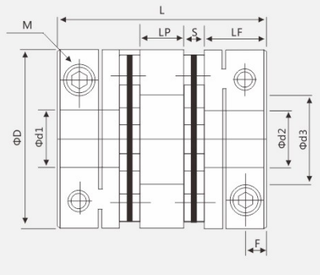
Keyway Machining Dimensions Reference Table

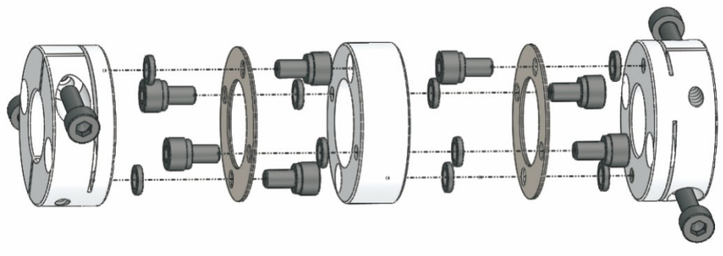
Unit: mm

Shaft Diameter	Standard Machined Keyway Dimensions				Keyway Size	Standard Keyway Machining Drawing
d1/d2	b		t		(bXh)	
	Slot Width	Tolerance	Slot Width	Tolerance		
Φ6~Φ7.9	2	±0.0125	1.0	+0.10	2×2	
Φ8~Φ10	3		1.4		3×3	
Φ10.1~Φ12	4	±0.0150	1.8		4×4	
Φ12.1~Φ17	5		2.3		5×5	
Φ17.1~Φ22	6		2.8		6×6	
Φ22.1~Φ30	8	±0.0180	3.3	+0.20	8×7	
Φ30.1~Φ38	10		3.3		10×8	
Φ38.1~Φ44	12	±0.0215	3.3		12×8	
Φ44.1~Φ50	14		3.8		14×9	
Φ50.1~Φ58	16		4.3		16×10	
Φ58.1~Φ65	18		4.4		18×11	

Features

> The hub is made of high-strength aluminum alloy.
> The diaphragm is made of 304 stainless steel.
> High torsional rigidity enables precise control of shaft rotation, allowing for high-accuracy positioning.
> Zero-backlash connection between the shaft and hub, specifically designed for servo and stepper motors.
> Ultra-low inertia and high sensitivity, suitable for high-speed operation.
> Identical performance characteristics in both clockwise and counterclockwise rotation.
> Stainless steel diaphragm compensates for angular and axial misalignment.





Model Examples

SND □□ × □□ - □□K□ - □□K□
Series Diameter Lenght d1Bore d2Bore

Example: SND-32 X 40-8-9
SND: Series
32: Diameter
40: Length
8: d1 bore
9: d2 bore
K: Keyway added (Non-standard keyway width)

Note: If an additional keyway is required, it will be treated as a non-standard custom order. Please add "K" after the shaft diameter in the model number.
Example: SND-32 X 40-8K-9K indicates that keyways are added to both inner bores.

Outline Dimensions Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	L	LF	LP	S	Φd3	F	M	Tightening Torque (N.m)
SND-19×27	4-5-6-6.35-7-8	19	27	9.1	5.2	1.8	9.5	3.3	M2.5	1
SND-25×31	5-6-6.35-7-8-9-9.252-10-11-12	25	31	10.7	4.4	2.6	12.56	3.9	M3	1.5
SND-32×40	8-9-9.525-10-11-12-12.7-14-15-16	32	40	12.25	8.5	3.5	16	4.5	M3	1.5
SND-40×44	8-9-9.525-10-11-12-12.7-14-15-16-18-19	40	44	14.25	6.0	4.5	19.3	5	M4	3.5
SND-50×57	8-9-9.525-10-11-12-12.7-14-15-16-18-19-20-22-24	50	57	18.6	10.2	4.8	23	5	M4	3.5

Note: The inner bores at both ends of the coupling can be freely combined from the minimum to the maximum bore diameters. The bores are machined using the H7 standard tolerance. The bore sizes marked in the table are for reference only. For specific customer-required bore diameters, please contact customer service, sales representatives, or other relevant technical personnel to inquire about detailed parameters.

Technical Specifications Table

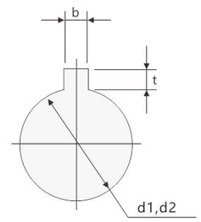
Unit: mm

Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia ($kg \cdot m^2$)	Coupling Weight (g)
SND-19×27	1	0.15	2	±0.20	15000	450	6.7×10^{-7}	20
SND-25×31	2	0.20	2	±0.40	10000	850	2.3×10^{-6}	38
SND-32×40	2.5	0.25	2	±0.60	10000	1600	9.0×10^{-6}	80
SND-40×44	3.5	0.30	2	±0.60	10000	3200	2.1×10^{-5}	120
SND-50×57	9	0.30	2	±0.60	10000	3900	3.5×10^{-5}	160

Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

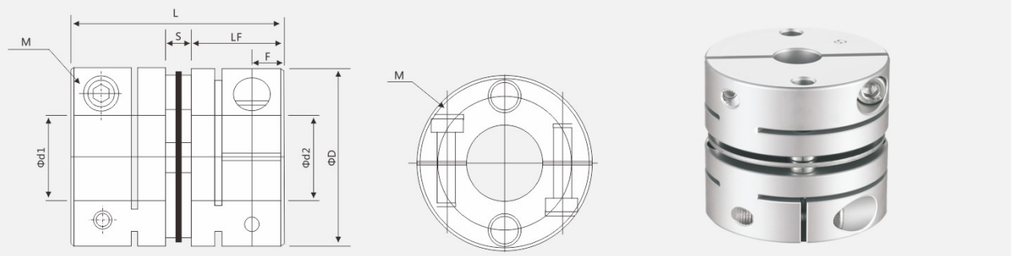
Keyway Machining Dimensions Reference Table

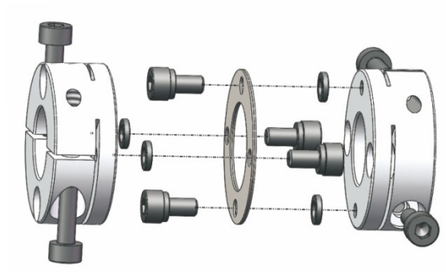
Unit: mm

Shaft Diameter	Standard Machined Keyway Dimensions				Keyway Size	Standard Keyway Machining Drawing
d1/d2	b		t		(bXh)	
	Slot Width	Tolerance	Slot Width	Tolerance		
Φ6~Φ7.9	2	±0.0125	1.0	+0.10	2×2	
Φ8~Φ10	3		1.4		3×3	
Φ10.1~Φ12	4	±0.0150	1.8		4×4	
Φ12.1~Φ17	5		2.3		5×5	
Φ17.1~Φ22	6		2.8		6×6	
Φ22.1~Φ30	8	±0.0180	3.3	+0.20	8×7	
Φ30.1~Φ38	10		3.3		10×8	
Φ38.1~Φ44	12	±0.0215	3.3		12×8	
Φ44.1~Φ50	14		3.8		14×9	
Φ50.1~Φ58	16		4.3		16×10	
Φ58.1~Φ65	18		4.4		18×11	

Features

> The hub is made of high-strength aluminum alloy.
> The diaphragm is made of 304 stainless steel.
> High torsional rigidity enables precise control of shaft rotation, allowing for high-accuracy positioning.
> Zero-backlash connection between the shaft and hub, specifically designed for servo and stepper motors.
> Ultra-low inertia and high sensitivity, suitable for high-speed operation.
> Identical performance characteristics in both clockwise and counterclockwise rotation.
> Stainless steel diaphragm compensates for angular and axial misalignment.





Model Examples

SFN □□ × □□ - □□K□ - □□K□
Series Diameter Lenght d1Bore d2Bore

Example: SFN-32 X 29-8-9
SFN: Series
32: Diameter
29: Length
8: d1 bore
9: d2 bore
K: Keyway added (Non-standard keyway width)

Note: If an additional keyway is required, it will be treated as a non-standard custom order. Please add "K" after the shaft diameter in the model number.
Example: SFN-32 X 29-8K-9K indicates that keyways are added to both inner bores.

Outline Dimensions Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	L	LF	S	F	M	Tightening Torque (N.m)
SFN-19×20	3-4-5-6-6.35-7-8	19	20	9.1	1.8	3.3	M2.5	1
SFN-25×24	3-4-5-6-6.35-7-8-9-9.525-10-11-12	25	24	10.7	2.6	3.9	M3	1.5
SFN-32×29	3-4-5-6-6.35-7-8-9-9.525-10-11-12-12.7-14-15-16	32	29	12.75	3.5	4.5	M3	1.5
SFN-40×33	8-9-9.525-10-11-12-12.7-14-15-16-17-18-19	40	33	14.25	4.5	5	M4	3.5
SFN-50×42	8-9-9.525-10-11-12-12.7-14-15-16-17-18-19-20-22-24	50	42	18.6	4.8	5	M4	3.5

Note: The inner bores at both ends of the coupling can be freely combined from the minimum to the maximum bore diameters. The bores are machined using the H7 standard tolerance. The bore sizes marked in the table are for reference only. For specific customer-required bore diameters, please contact customer service, sales representatives, or other relevant technical personnel to inquire about detailed parameters.

Technical Specifications Table

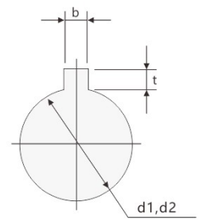
Unit: mm

Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia ($kg \cdot m^2$)	Coupling Weight (g)
SFN-19×20	1	0.02	1	±0.10	15000	600	2.9×10^{-7}	13
SFN-25×24	2	0.02	1	±0.20	15000	1300	1.1×10^{-6}	25
SFN-32×29	2.5	0.02	1	±0.30	10000	2500	4.0×10^{-6}	57
SFN-40×33	3.5	0.02	1	±0.30	10000	4600	9.8×10^{-6}	86
SFN-50×42	9	0.02	1	±0.30	10000	6000	1.6×10^{-5}	130

Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

Keyway Machining Dimensions Reference Table

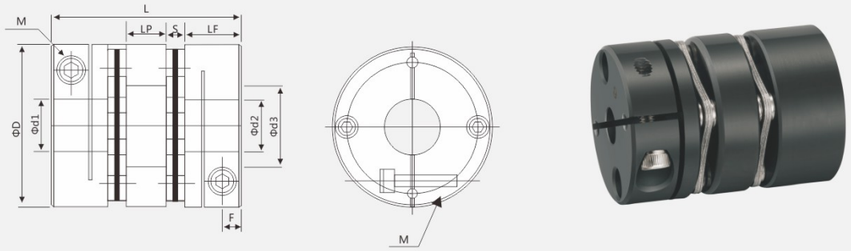
Unit: mm

Shaft Diameter	Standard Machined Keyway Dimensions				Keyway Size	Standard Keyway Machining Drawing
d1/d2	b		t		(bXh)	
	Slot Width	Tolerance	Slot Width	Tolerance		
Φ6~Φ7.9	2	±0.0125	1.0	+0.10	2×2	
Φ8~Φ10	3		1.4		3×3	
Φ10.1~Φ12	4	±0.0150	1.8		4×4	
Φ12.1~Φ17	5		2.3		5×5	
Φ17.1~Φ22	6		2.8		6×6	
Φ22.1~Φ30	8	±0.0180	3.3	+0.20	8×7	
Φ30.1~Φ38	10		3.3		10×8	
Φ38.1~Φ44	12	±0.0215	3.3		12×8	
Φ44.1~Φ50	14		3.8		14×9	
Φ50.1~Φ58	16		4.3		16×10	
Φ58.1~Φ65	18		4.4		18×11	

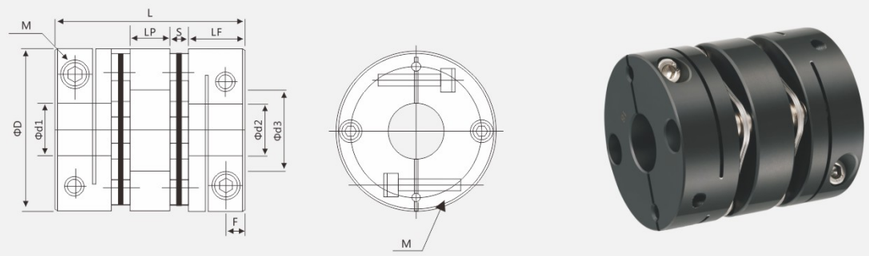
Features

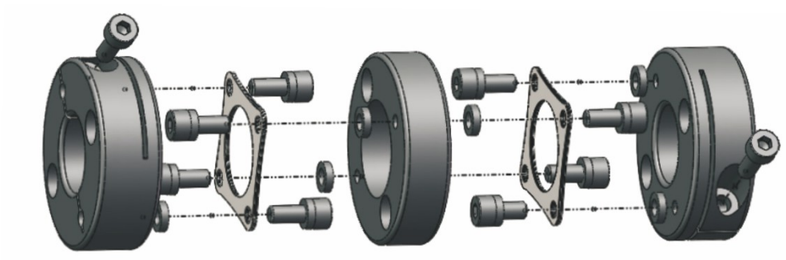
> The diaphragm is made of 304 stainless steel.
> High torque rigidity enables precise control of shaft rotation and allows for high-precision control.
> Specially designed for servo and stepper motors.
> Zero-backlash connection between shaft and sleeve, suitable for forward and reverse rotation.
> The sleeve is made of 45# steel, offering high precision and high torque capacity.
> Clamping screw fixation method.

Outer Diameter
Φ34~Φ44



Outer Diameter
Φ56~Φ82





Model Examples

SKD □□ × □□ - □□K□ - □□K□
Series Diameter Lenght d1Bore d2Bore

Example: SKD-68 X 75-20-22
SKD: Series
68: Diameter
75: Length
20: d1 bore
22: d2 bore
K: Keyway (Non-standard Keyway Width)

Note: If an additional keyway is required, it will be treated as a non-standard custom order. Please add "K" after the shaft diameter in the model number.
Example: SKD-68X75-20K-22K indicates that keyways are added to both inner bores.

Technical Specifications Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	L	LF	LP	Φd3	S	F	M	Tightening Torque (N.m)
SKD-34×45	6-6.35-7-8-9-9.525-10-11-12-12.7-14-15	34	45	14.25	9.5	16	3.5	4.2	M4	3.5
SKD-39×50	8-9-9.525-10-11-12-12.7-14-15-16-17-18-19	39	50	14.9	11.2	19.3	4.5	4.9	M4	3.5
SKD-44×50	8-9-9.525-10-11-12-12.7-14-15-16-17-18-19-20-22	44	50	14.9	11.2	22.5	4.5	5.2	M4	3.5
SKD-56×64	12-12.7-14-15-16-17-18-19-20-22-24-25-28-30	56	64	19.75	13.5	32.5	5.3	6.8	M5	8
SKD-68×75	15-16-17-18-19-20-22-24-25-28-30-32-35	68	75	23.35	15.7	38.3	6.3	7.7	M6	13
SKD-82×98	16-17-18-19-20-22-24-25-28-30-38-40-45	82	98	30	22	45.5	8	9.3	M8	28

Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

Technical Specifications Table

Unit: mm

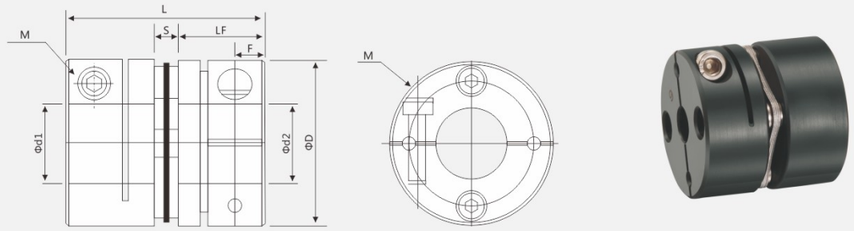
Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia ($kg \cdot m^2$)	Coupling Weight (g)
SKD-34×45	4.5	0.14	0.5	±0.9	5000	4535	1.65×10^{-5}	192
SKD-39×50	9	0.18	0.5	±0.11	5000	10000	4.5×10^{-5}	295
SKD-44×50	13	0.18	0.5	±0.13	5000	11200	5.7×10^{-5}	360
SKD-56×64	37	0.22	0.5	±0.18	4700	28000	2.1×10^{-4}	795
SKD-68×75	90	0.25	0.5	±0.20	4500	39000	2.4×10^{-4}	1230
SKD-82×98	150	0.45	0.5	±0.25	4000	75000	3.0×10^{-4}	2532

Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

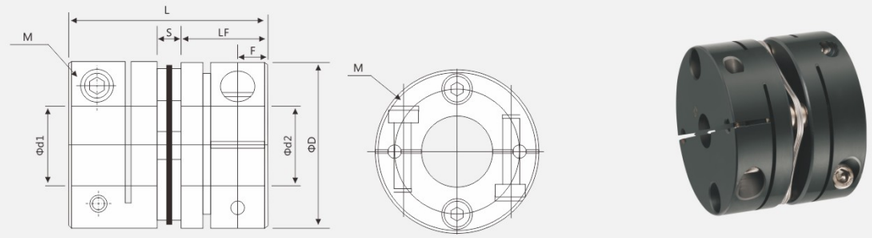
Features

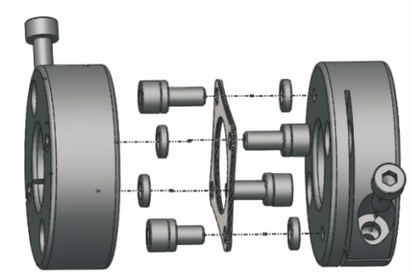
> The diaphragm is made of 304 stainless steel.
> High torque rigidity enables precise control of shaft rotation and allows for high-precision control.
> Specially designed for servo and stepper motors.
> Zero-backlash connection between shaft and sleeve, suitable for forward and reverse rotation.
> The sleeve is made of 45# steel, offering high precision and high torque capacity.
> Clamping screw fixation method.

Outer Diameter
Φ34~Φ44



Outer Diameter
Φ56~Φ82





Model Examples

SKS □□ × □□ - □□K□ - □□K□
Series Diameter Lenght d1Bore d2Bore

Example: SKS-44 X 34.5-10-14
SKS: Series
44: Diameter
34.5: Length
10: d1 bore
14: d2 bore
K: Keyway (Non-standard Keyway Width)

Note: If an additional keyway is required, it will be treated as a non-standard custom order. Please add "K" after the shaft diameter in the model number.
Example: SKS-44X34.5-10K-14K indicates that keyways are added to both inner bores.

Technical Specifications Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	L	LF	S	F	M	Tightening Torque (N.m)
SKS-34×32	6-6.35-7-8-9-9.525-10-11-12-12.7-14-15	34	32	14.25	3.5	4.2	M4	3.5
SKS-39×34.5	8-9-9.525-10-11-12-12.7-14-15-16-17-18-19	39	34.5	14.9	4.5	4.9	M4	3.5
SKS-44×34.5	8-9-9.525-10-11-12-12.7-14-15-16-17-18-19-20-22	44	34.5	14.9	4.5	5.2	M4	3.5
SKS-56×45	12-14-15-16-17-18-19-20-22-24-25-28-30-32	56	45	19.75	5.3	6.8	M5	8
SKS-68×53	15-16-17-18-19-20-22-24-25-28-30-32-35	68	53	23.35	6.3	7.7	M6	13
SKS-82×68	16-17-18-19-20-22-24-25-28-30-32-35-38-40	82	68	30	8	9.3	M8	28

Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

Technical Specifications Table

Unit: mm

Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia ($kg \cdot m^2$)	Coupling Weight (g)
SKS-34×32	4.5	0.1	0.5	±0.09	5000	9070	1.2×10^{-5}	137
SKS-39×34.5	9	0.1	0.5	±0.11	5000	20000	3.3×10^{-5}	202
SKS-44×34.5	13	0.1	0.5	±0.13	5000	22400	4.2×10^{-4}	247
SKS-56×45	37	0.1	0.5	±0.18	4700	56000	1.8×10^{-4}	542
SKS-68×53	90	0.1	0.5	±0.20	4500	78000	2.25×10^{-4}	870
SKS-82×68	150	0.1	0.5	±0.25	4000	168000	2.7×10^{-4}	1722

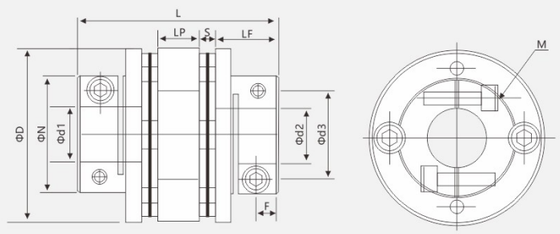
Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

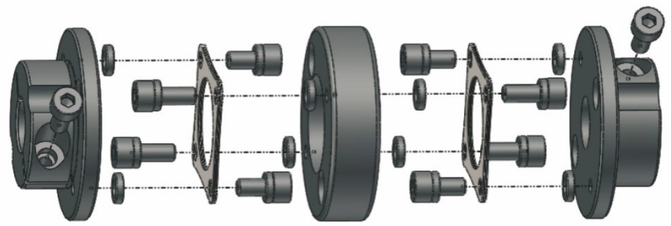
SDT-45# Steel Step-Type Double Diaphragm Clamping Series

Features

> The diaphragm is made of 304 stainless steel.
> Enables precise shaft rotation control and allows for high-precision operation.
> Specifically designed for servo and stepper motors.
> High torque transmission capacity with excellent rigidity.
> Zero-backlash shaft-to-sleeve connection, suitable for bidirectional rotation.
> Sleeve manufactured from 45# steel.
> Clamping screw fixation method.

Outer Diameter
Φ56~Φ82





Model Examples

SDT □□ × □□ - □□K□ - □□K□
Series Diameter Lenght d1Bore d2Bore

Example: SDT-68 X 75-20-22
SDT: Series
68: Diameter
75: Length
20: d1 bore
22: d2 bore
K: Keyway added (Non-standard keyway width)

Note: If an additional keyway is required, it will be treated as a non-standard custom order. Please add "K" after the shaft diameter in the model number.
Example: SDT-68 X 75-20K-22K indicates that keyways are added to both inner bores.

AKD

SDT-45# Steel Step-Type Double Diaphragm Clamping Series

Outline Dimensions Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	ΦN	L	LF	LP	Φd3	S	F	M	Tightening Torque (N.m)
SDT-56×64	12-12.7-14-15-16-17-18-19-20-22	56	38	64	19.75	13.5	30	5.3	6.0	M5	8
SDT-68×75	15-16-17-18-19-20-22-24-25	68	46	75	23.35	15.7	36	6.3	7.7	M6	13
SDT-82×98	17-18-18-20-22-24-25-28-30-32	82	56	98	30	22	45	8	9	M8	28

Note: The inner bores at both ends of the coupling can be freely combined from the minimum to the maximum bore diameters. The bores are machined using the H7 standard tolerance. The bore sizes marked in the table are for reference only. For specific customer-required bore diameters, please contact customer service, sales representatives, or other relevant technical personnel to inquire about detailed parameters.

Technical Specifications Table

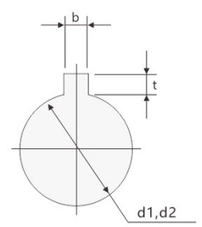
Unit: mm

Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia ($kg \cdot m^2$)	Coupling Weight (g)
SDT-56×64	37	0.1	1	±0.36	5000	4480	1.8×10^{-4}	546
SDT-68×75	90	0.1	1	±0.40	4500	6900	4.5×10^{-4}	910
SDT-82×98	125	0.1	1	±0.50	4000	9300	7.0×10^{-4}	1695

Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

Keyway Machining Dimensions Reference Table

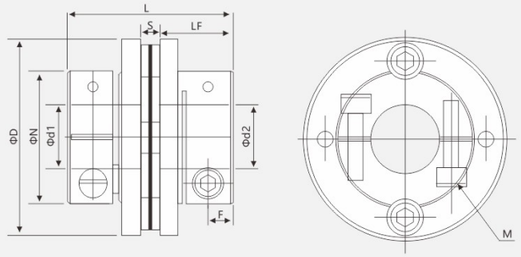
Unit: mm

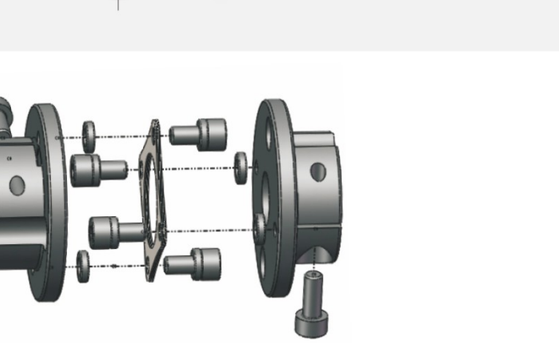
Shaft Diameter	Standard Machined Keyway Dimensions				Keyway Size	Standard Keyway Machining Drawing
d1/d2	b		t		(bXh)	
	Slot Width	Tolerance	Slot Width	Tolerance		
Φ6~Φ7.9	2	±0.0125	1.0	+0.10	2×2	
Φ8~Φ10	3		1.4		3×3	
Φ10.1~Φ12	4	±0.0150	1.8		4×4	
Φ12.1~Φ17	5		2.3		5×5	
Φ17.1~Φ22	6		2.8		6×6	
Φ22.1~Φ30	8	±0.0180	3.3		8×7	
Φ30.1~Φ38	10		3.3	+0.20	10×8	
Φ38.1~Φ44	12	±0.0215	3.3		12×8	
Φ44.1~Φ50	14		3.8		14×9	
Φ50.1~Φ58	16		4.3		16×10	
Φ58.1~Φ65	18		4.4		18×11	

Features

> The diaphragm is made of 304 stainless steel.
> Enables precise shaft rotation control and allows for high-precision operation.
> Specifically designed for servo and stepper motors.
> High torque transmission capacity with excellent rigidity.
> Zero-backlash shaft-to-sleeve connection, suitable for bidirectional rotation.
> Sleeve manufactured from 45# steel.
> Clamping screw fixation method.

Outer Diameter
Φ56~Φ82





Model Examples

STS □□ × □□ - □□K□ - □□K□
Series Diameter Lenght d1Bore d2Bore

Example: STS-56 X 45-20-22
STS: Series
56: Diameter
45: Length
20: d1 bore
22: d2 bore
K: Keyway added (Non-standard keyway width)

Note: If an additional keyway is required, it will be treated as a non-standard custom order. Please add "K" after the shaft diameter in the model number.
Example: STS-56 X 45-20K-22K indicates that keyways are added to both inner bores.

AKD

STS-45# Steel Step-Type Single Diaphragm Clamping Series

Outline Dimensions Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	ΦN	L	LF	S	F	M	Tightening Torque (N.m)
STS-56×45	12-12.7-14-15-16-17-18-19-20-22-24	56	38	45	19.75	5.3	6.0	M5	8
STS-68×53	15-16-17-18-19-20-22-24-25	68	46	53	23.35	6.3	7.7	M6	13
STS-82×68	17-18-19-20-22-24-25-28-30-32	82	56	68	30	8	9.0	M8	28

Note: The inner bores at both ends of the coupling can be freely combined from the minimum to the maximum bore diameters. The bores are machined using the H7 standard tolerance. The bore sizes marked in the table are for reference only. For specific customer-required bore diameters, please contact customer service, sales representatives, or other relevant technical personnel to inquire about detailed parameters.

Technical Specifications Table

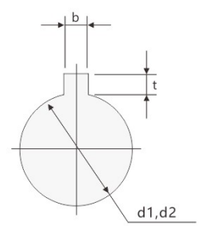
Unit: mm

Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia (kg·m²)	Coupling Weight (g)
STS-56×45	37	0.1	1	±0.36	5000	4700	1.5×10^{-4}	420
STS-68×53	90	0.1	1	±0.40	4500	7200	3.7×10^{-4}	700
STS-82×68	125	0.1	1	±0.50	4000	9600	5.8×10^{-4}	1304

Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

Keyway Machining Dimensions Reference Table

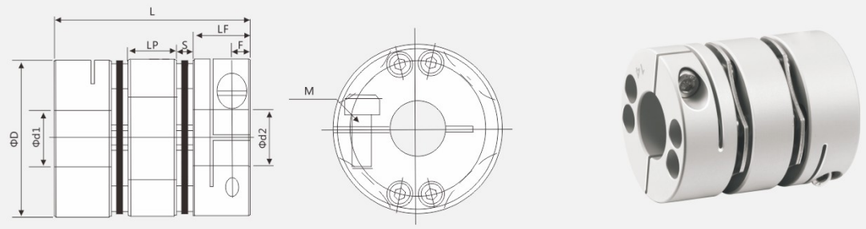
Unit: mm

Shaft Diameter	Standard Machined Keyway Dimensions				Keyway Size	Standard Keyway Machining Drawing
d1/d2	b		t		(bXh)	
	Slot Width	Tolerance	Slot Width	Tolerance		
Φ6~Φ7.9	2	±0.0125	1.0	+0.10	2×2	
Φ8~Φ10	3		1.4		3×3	
Φ10.1~Φ12	4	±0.0150	1.8		4×4	
Φ12.1~Φ17	5		2.3		5×5	
Φ17.1~Φ22	6		2.8		6×6	
Φ22.1~Φ30	8	±0.0180	3.3		8×7	
Φ30.1~Φ38	10		3.3	+0.20	10×8	
Φ38.1~Φ44	12	±0.0215	3.3		12×8	
Φ44.1~Φ50	14		3.8		14×9	
Φ50.1~Φ58	16		4.3		16×10	
Φ58.1~Φ65	18		4.4		18×11	

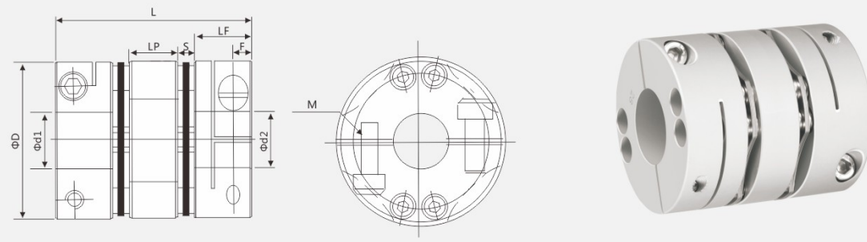
Features

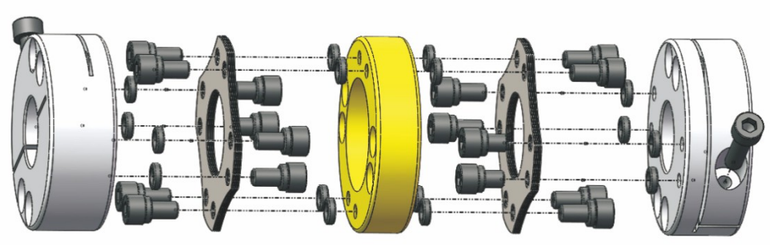
> Main body made of high-strength aluminum alloy.
> Product surface treated with anodic oxidation.
> The diaphragm is made of 304 stainless steel.
> Utilizes a multi-arc design with 8 screw diaphragms, providing high torque capacity.
> Vibration-resistant, safe and reliable in use, with extended service life.
> Zero-backlash operation; identical rotational characteristics in both clockwise and counter-clockwise directions.
> Diaphragm compensates effectively for radial, angular, and axial misalignment.
> High rigidity and high sensitivity.
> Capable of transmitting high torque with low moment of inertia.
> Commonly used in servo motors and stepper motors.

Outer Diameter
Φ44



Outer Diameter
Φ65~Φ94





Model Examples

SLB □□ × □□ - □□K□ - □□K□
Series Diameter Lenght d1Bore d2Bore

Example: SLB-44 X 50-20-22
SLB: Series
44: Diameter
50: Length
20: d1 bore
22: d2 bore
K: Keyway (Non-standard Keyway Width)

Note: If an additional keyway is required, it will be treated as a non-standard custom order. Please add "K" after the shaft diameter in the model number.
Example: SLB-44X50-20K-22K indicates that keyways are added to both inner bores.

Technical Specifications Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	L	LF	LP	S	F	M	Tightening Torque (N.m)
SLB-44×50	8-9-10-11-12-12.7-14-15-16-18-20-22-24	44	50	14.9	11.2	4.5	5	M4	3.5
SLB-65×77	12-14-15-16-18-19-20-22-24-25-30-32-35	65	77	24.9	15.8	5.7	9	M6	13
SLB-87×94	17-18-19-20-22-24-25-28-30-32-35-38-40-42	87	94	29	19	8.5	9.7	M8	28
SLB-94×98	19-20-22-24-25-28-30-32-35-38-40-42-44-45	94	98	29.25	20	9.5	10	M10	55

Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

Technical Specifications Table

Unit: mm

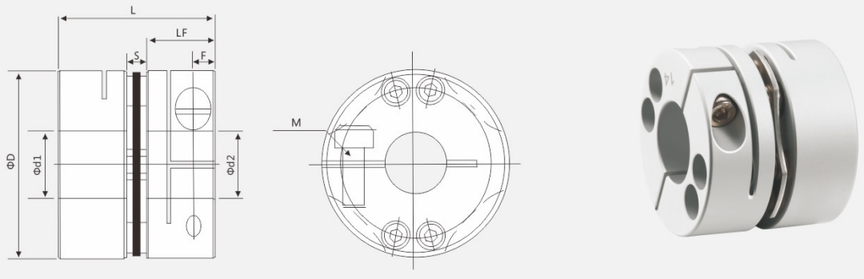
Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia ($kg \cdot m^2$)	Coupling Weight (g)
SLB-44×50	13.3	0.1	1	±0.54	10000	2240	3.8×10^{-5}	180
SLB-65×77	85	0.2	1	±0.60	6500	14000	1.4×10^{-4}	498
SLB-87×94	180	0.2	1	±0.60	5500	35000	5.7×10^{-4}	1200
SLB-94×98	241	0.2	1	±0.60	5500	40000	1.76×10^{-3}	2080

Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

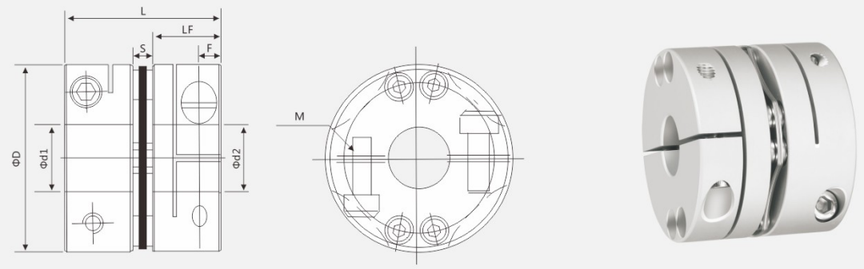
Features

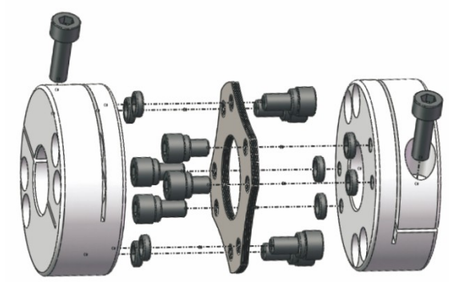
> Main body made of high-strength aluminum alloy.
> Product surface treated with anodic oxidation.
> The diaphragm is made of 304 stainless steel.
> Utilizes a multi-arc design with 8 screw diaphragms, providing high torque capacity.
> Vibration-resistant, safe and reliable in use, with extended service life.
> Zero-backlash operation; identical rotational characteristics in both clockwise and counter-clockwise directions.
> Diaphragm compensates effectively for radial, angular, and axial misalignment.
> High rigidity and high sensitivity.
> Capable of transmitting high torque with low moment of inertia.
> Commonly used in servo motors and stepper motors.

Outer Diameter
Φ44



Outer Diameter
Φ65~Φ94





Model Examples

SSB □□ × □□ - □□K□ - □□K□
Series Diameter Lenght d1Bore d2Bore

Example: SSB-44 X 34.5-8-9
SSB: Series
44: Diameter
34.5: Length
8: d1 bore
9: d2 bore
K: Keyway (Non-standard Keyway Width)

Note: If an additional keyway is required, it will be treated as a non-standard custom order. Please add "K" after the shaft diameter in the model number.
Example: SSB-44X34.5-8K-9K indicates that keyways are added to both inner bores.

Technical Specifications Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	L	LF	S	F	M	
SSB-44×34.5	8-9-10-11-12-12.7-14-15-16-18-20-22-24	44	34.5	14.9	4.5	5	M4	3.5
SSB-65×55.5	12-14-15-16-18-19-20-22-24-25-28-30-32-35	65	55.5	24.9	5.7	9	M6	13
SSB-87×67	17-18-19-20-22-24-25-28-30-32-35-38-40-42	87	67	29	8.5	9.7	M8	28
SSB-94×68	19-20-22-24-25-28-30-32-35-38-40-42-44-45	94	68	29.25	9.5	10	M10	55

Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

Technical Specifications Table

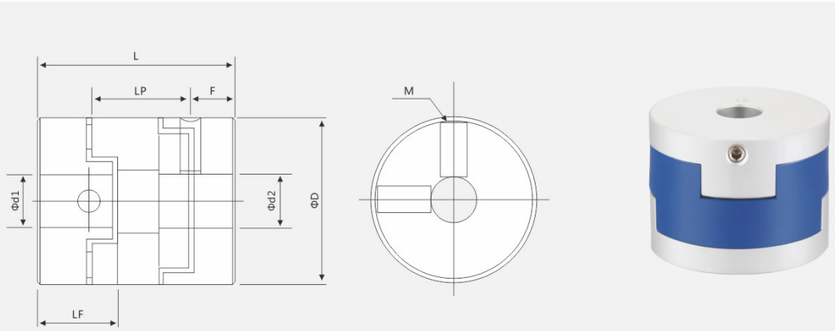
Unit: mm

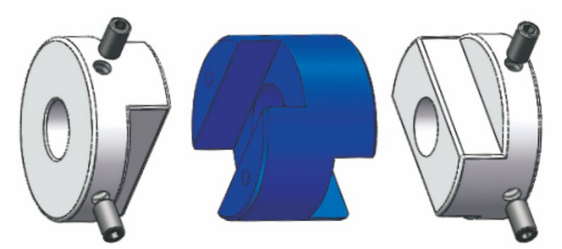
Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia ($kg \cdot m^2$)	Coupling Weight (g)
SSB-44×34.5	13.3	0.02	0.5	±0.27	10000	4480	2.8×10^{-5}	130
SSB-65×55.5	85	0.02	0.5	±0.30	6500	28000	1.0×10^{-4}	342
SSB-87×67	180	0.02	0.5	±0.30	5500	70000	4.2×10^{-4}	812
SSB-94×68	241	0.02	0.5	±0.30	5500	80000	1.23×10^{-3}	1521

Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

Features

> The shaft sleeve is made of high-strength aluminum alloy.
> The colloidal material uses imported PA66, which offers excellent wear resistance, corrosion resistance, and electrical insulation.
> The sliding design more effectively compensates for radial and angular misalignment.
> The detachable design facilitates installation.
> Fastened by positioning screws.





Model Examples

SXI □□ × □□ - □□K□ - □□K□
Series Diameter Lenght d1Bore d2Bore

Example: SXI-20 X 25-8-9
SXI: Series
20: Diameter
25: Length
8: d1 bore
9: d2 bore
K: Keyway added (Non-standard keyway width)
□: Keyway width (no symbol: standard keyway according to national standard)

Note: If an additional keyway is required, it will be treated as a non-standard custom order. Please add "K" after the shaft diameter in the model number.
Example: SXI-20 X 25-8K-9K indicates that keyways are added to both inner bores.

Outline Dimensions Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	L	LF	LP	F	M	Tightening Torque (N.m)
SXI-16×18	4-5-6-6.35-7-8	16	18	7.1	12	3.0	M3	0.7
SXI-20×25	5-6-6.35-8-9-9.525-10	20	25	10.1	12.7	3.0	M3	0.7
SXI-25×28	5-6-8-9-9.525-10-11-12-14	25	28	11.5	17.7	2.8	M4	1.7
SXI-32×33	5-6-8-9-9.525-10-11-12-12.7-14-15-16	32	33	14	20	3.4	M4	1.7
SXI-40×32	8-9-9.525-10-11-12-12.7-14-15-16-17-18-19-20	40	32	14	20.3	3.2	M4	1.7
SXI-44×46	8-9-9.525-10-11-12-12.7-14-15-16-17-18-19-20-22	44	46	20.7	18.4	3.5	M5	4
SXI-50×38	10-12-12.7-14-15-16-17-18-19-20-22-24-25	50	38	16.5	22.35	3.8	M5	4
SXI-55×57	10-12-12.7-14-15-16-17-18-19-20-22-24-25-28-30-32	55	57	31	17	7.8	M5	4
SXI-63×47	14-15-16-17-18-19-20-22-24-25-28-30-32	63	47	21	25.8	6.0	M6	7
SXI-70×77	16-17-18-19-20-22-24-25-28-30-32-35-38-40	70	77	37	25	13.5	M8	15

Note: The inner bores at both ends of the coupling can be freely combined from the minimum to the maximum bore diameters. The bores are machined using the H7 standard tolerance. The bore sizes marked in the table are for reference only. For specific customer-required bore diameters, please contact customer service, sales representatives, or other relevant technical personnel to inquire about detailed parameters.

Technical Specifications Table

Unit: mm

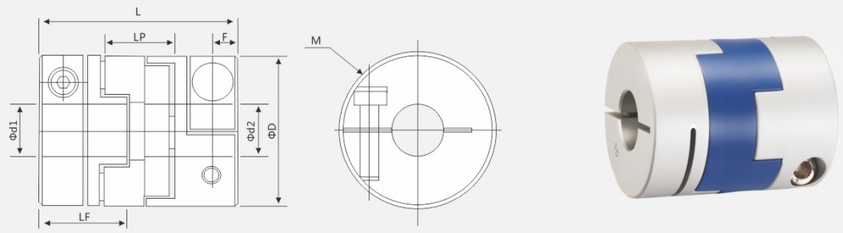
Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia ($kg \cdot m^2$)	Coupling Weight (g)
SXI-16×18	0.7	0.8	3	±0.2	9000	30	3.0×10^{-7}	6
SXI-20×25	1.2	1.2	3	±0.2	7000	58	3.0×10^{-7}	18
SXI-25×28	2	1.6	3	±0.2	6000	130	2.8×10^{-6}	25
SXI-32×33	4.5	2	3	±0.2	4800	270	8.9×10^{-5}	44
SXI-40×32	9	2.4	3	±0.2	3600	520	2.1×10^{-5}	81
SXI-44×46	12	2.8	3	±0.2	3500	560	3.8×10^{-5}	136
SXI-50×38	19	2.6	3	±0.2	3000	800	6.0×10^{-5}	142
SXI-55×57	22	3.3	3	±0.2	2800	795	9.9×10^{-4}	255
SXI-63×47	33	3	3	±0.2	2500	1200	2.1×10^{-5}	320
SXI-70×77	56	3.8	3	±0.2	2500	1260	3.9×10^{-4}	445

Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

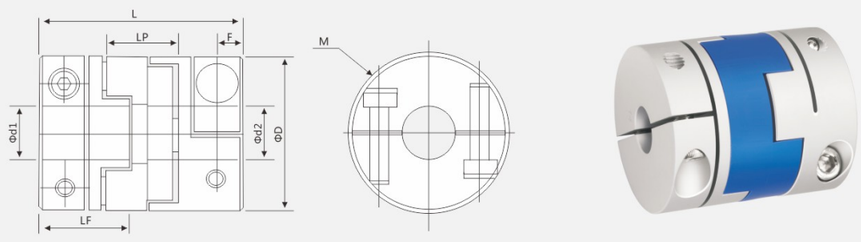
Features

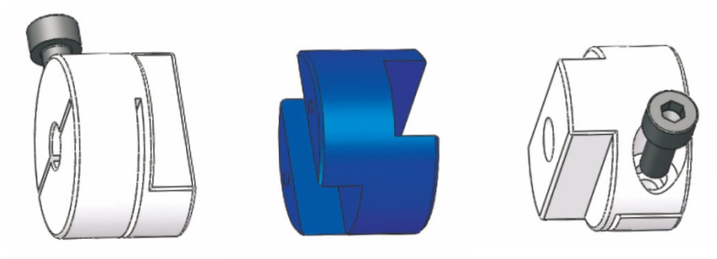
> The shaft sleeve is made of high-strength aluminum alloy.
> The colloidal material uses imported PA66, which offers excellent wear resistance, corrosion resistance, and electrical insulation.
> The sliding design more effectively compensates for radial and angular misalignment.
> The detachable design facilitates installation.
> Fastened by positioning screws.

Outer Diameter
Φ16~Φ44



Outer Diameter
Φ50~Φ70





Model Examples

SXC □□ × □□ - □□K□ - □□K□
Series Diameter Lenght d1Bore d2Bore

Example: SXC-32 X 45-10-14
SXC: Series
32: Diameter
45: Length
10: d1 bore
14: d2 bore
K: Keyway added (Non-standard keyway width)

Note: If an additional keyway is required, it will be treated as a non-standard custom order. Please add "K" after the shaft diameter in the model number.
Example: SXC-32 X 45-10K-14K indicates that keyways are added to both inner bores.

Outline Dimensions Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	L	LF	LP	F	M	Tightening Torque (N.m)
SXC-16×29	4-5-6-6.35	16	29	12.5	12	3	M2.5	1
SXC-20×33	5-6-6.35-7-8	20	33	14.1	12.7	3.8	M2.5	1
SXC-25×39	5-6-6.35-8-9-9.525-10-11-12	25	39	16.9	17.7	3.9	M3	1.5
SXC-32×45	5-6-8-9-9.525-10-11-12-12.7-14-15-16	32	45	20	20	4.5	M4	3.5
SXC-40×50	8-9-9.525-10-11-12-14-15-16-17-18-19	40	50	23	20.3	5.5	M5	8
SXC-44×46	8-9-9.525-10-11-12-14-15-16-17-18-19-20-22	44	46	20.7	18.4	7	M5	8
SXC-50×53	10-11-12.7-14-15-16-17-18-19-20-22-24	50	53	24.2	22.35	7.5	M6	13
SXC-50×58	10-11-12.7-14-15-16-17-18-19-20-22-24	50	58	26.5	22.35	6.3	M6	13
SXC-55×57	10-11-12.7-14-15-16-17-18-19-20-22-24-25-28	55	57	31	17	6.3	M6	13
SXC-63×71	14-15-16-17-18-19-20-22-24-25-28-30-32	63	71	32.8	26.2	7.8	M8	28
SXC-70×77	14-15-16-17-18-19-20-22-24-25-28-30-32-35-38	70	77	32	25	7.7	M8	28

Note: The inner bores at both ends of the coupling can be freely combined from the minimum to the maximum bore diameters. The bores are machined using the H7 standard tolerance. The bore sizes marked in the table are for reference only. For specific customer-required bore diameters, please contact customer service, sales representatives, or other relevant technical personnel to inquire about detailed parameters.

Technical Specifications Table

Unit: mm

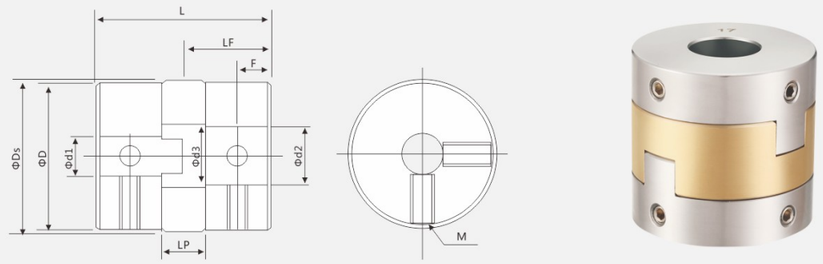
Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia ($kg \cdot m^2$)	Coupling Weight (g)
SXC-16×29	0.7	0.8	3	±0.2	9000	30	3.5×10^{-7}	12
SXC-20×33	1.2	1.2	3	±0.2	7000	58	1.5×10^{-6}	19
SXC-25×39	2	1.6	3	±0.2	6000	130	3.2×10^{-6}	35
SXC-32×45	4.5	2	3	±0.2	4800	270	1.5×10^{-5}	67
SXC-40×50	9	2.4	3	±0.2	3600	520	4.2×10^{-5}	114
SXC-44×46	12	2.5	3	±0.2	3500	800	4.5×10^{-5}	140
SXC-50×53	19	2.6	3	±0.2	3000	800	1.0×10^{-4}	190
SXC-50×58	19	3	3	±0.2	3000	800	1.1×10^{-4}	215
SXC-55×57	25	3.2	3	±0.2	3000	900	1.3×10^{-5}	260
SXC-63×71	33	3	3	±0.2	2550	1200	3.5×10^{-4}	455
SXC-70×77	56	3.5	3	±0.2	2500	1260	4.1×10^{-4}	520

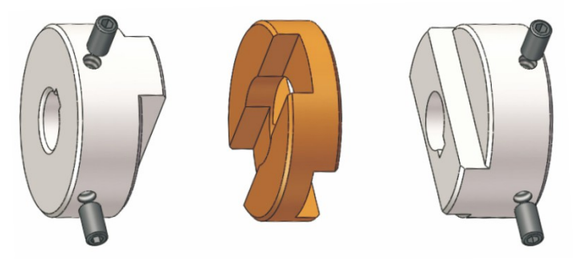
Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

*For shaft diameter and bore tolerances, the use of H7 tolerance is recommended.
*Keyways and other special bore shapes can be machined.
*Customization of non-standard outer diameters, lengths, and bore diameters is supported. Please provide precise parameters and drawings when requesting customization.

Features

> The main body material uses imported SUS304 stainless steel.
> The intermediate adjustment ring material uses imported aluminum bronze.
> It features excellent wear resistance, corrosion resistance, and greater rigidity.
> The sliding design more effectively compensates for radial and angular misalignment.
> The detachable design facilitates installation.
> Fastened by positioning screws.





Model Examples

GXI □□ × □□ - □□K□ - □□K□
Series Diameter Lenght d1Bore d2Bore

Example: GXI-34 X 34-10-14
GXI: Series
34: Diameter
34: Length
10: d1 bore
14: d2 bore
K: Keyway added (Non-standard keyway width)

Note: If an additional keyway is required, it will be treated as a non-standard custom order. Please add "K" after the shaft diameter in the model number.
Example: GXI-34 X 34-10K-14K indicates that keyways are added to both inner bores.

Outline Dimensions Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	ΦDs	L	LF	LP	Φd3	F	M	Tightening Torque (N.m)
GXI-14.5×16	4-5-6-6.35	14.5	15	16	7.7	4.5	7.35	3	M3	0.7
GXI-16.8×19.8	5-6-6.35-7-8	16.8	17.5	19.8	9.7	6	9	3.2	M4	1.7
GXI-20×21.4	5-6-6.35-8-9-9.525-10-11-12	20	21	21.4	10.45	6.5	13	3.2	M4	1.7
GXI-26×25.6	5-6-6.35-8-9-9.525-10-11-12-12.7-14	26	27	25.6	12.2	7.2	15	3.8	M4	1.7
GXI-30×33	5-6-6.35-8-9-9.525-10-11-12-12.7-14	30	31	33	15.75	8.5	15	5.8	M4	1.7
GXI-34×34	5-6-6.35-8-9-9.525-10-11-12-12.7-14-15-16	34	35	34	16.5	9	17	5.8	M5	4
GXI-38×39.5	5-6-6.35-8-9-9.525-10-11-12-12.7-14-15-16-17-18-19-20	38	39	39.5	19	9.5	21	7.0	M5	4
GXI-45×43.6	8-9-10-11-12-12.7-14-15-16-17-18-19-20-22	45	48	43.6	21.3	19	23	7.5	M5	4
GXI-55×49.4	10-11-12.7-14-15-16-17-18-19-20-22-24-25	55	58	49.4	24.2	17	26	8.5	M6	7
GXI-70×57	12-14-15-16-17-18-19-20-22-24-25-28-30-32-35	70	74	57	27	25	36	11	M8	15

Note: The inner bores at both ends of the coupling can be freely combined from the minimum to the maximum bore diameters. The bores are machined using the H7 standard tolerance. The bore sizes marked in the table are for reference only. For specific customer-required bore diameters, please contact customer service, sales representatives, or other relevant technical personnel to inquire about detailed parameters.

Technical Specifications Table

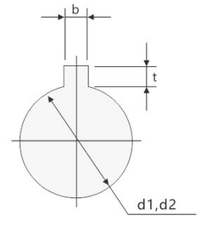
Unit: mm

Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia ($kg \cdot m^2$)	Coupling Weight (g)
GXI-14.5×16	3.0	0.5	0.6	±0.1	7000	800	4.5×10^{-7}	15
GXI-16.8×19.8	5.0	0.5	0.6	±0.1	6500	900	1.0×10^{-6}	25
GXI-20×21.4	7.0	0.5	0.6	±0.1	5000	2000	2.25×10^{-6}	37
GXI-26×25.6	10	0.8	0.6	±0.2	5000	3500	7.5×10^{-6}	79
GXI-30×33	24	1	0.6	±0.2	5000	5000	2.5×10^{-5}	122
GXI-34×34	32	1	0.6	±0.2	3500	7500	4.0×10^{-5}	180
GXI-38×39.5	50	1	0.6	±0.3	3500	10000	5.2×10^{-5}	260
GXI-45×43.6	50	1	0.2	±0.3	9000	65000	1.7×10^{-4}	400
GXI-55×49.4	75	1.2	0.2	±0.5	9000	90000	3.3×10^{-4}	750
GXI-70×57	95	1.6	0.2	±0.6	9000	170000	1.1×10^{-3}	1050

Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

Keyway Machining Dimensions Reference Table

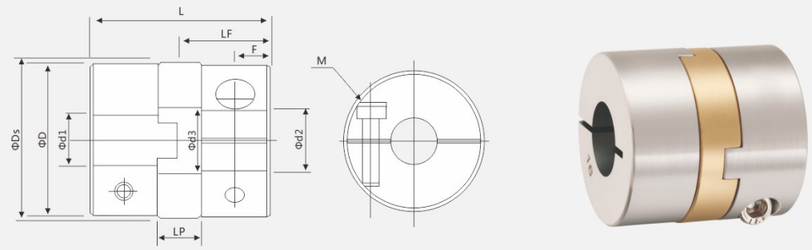
Unit: mm

Shaft Diameter	Standard Machined Keyway Dimensions				Keyway Size	Standard Keyway Machining Drawing
d1/d2	b		t		(bXh)	
	Slot Width	Tolerance	Slot Width	Tolerance		
Φ6~Φ7.9	2	±0.0125	1.0	+0.10	2×2	
Φ8~Φ10	3		1.4		3×3	
Φ10.1~Φ12	4	±0.0150	1.8		4×4	
Φ12.1~Φ17	5		2.3		5×5	
Φ17.1~Φ22	6		2.8		6×6	
Φ22.1~Φ30	8	±0.0180	3.3	+0.20	8×7	
Φ30.1~Φ38	10		3.3		10×8	
Φ38.1~Φ44	12	±0.0215	3.3		12×8	
Φ44.1~Φ50	14		3.8		14×9	
Φ50.1~Φ58	16		4.3		16×10	
Φ58.1~Φ65	18		4.4		18×11	

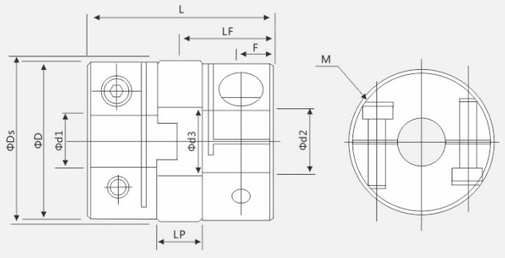
Features

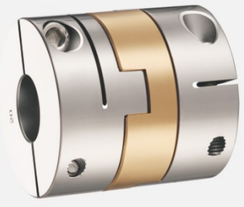
> The main body material uses imported SUS304 stainless steel.
> The intermediate adjustment ring material uses imported aluminum bronze. It features excellent wear resistance, corrosion resistance.
> The sliding design more effectively compensates for radial and angular misalignment.
> The detachable design facilitates installation.
> Fastened by positioning screws.

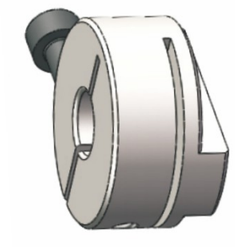
Outer Diameter
Φ14.5~Φ45

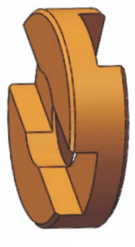


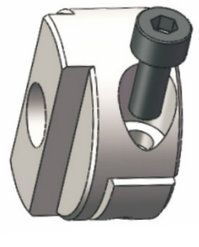
Outer Diameter
Φ55











Model Examples

GXC □□ × □□ - □□K□ - □□K□
Series Diameter Lenght d1Bore d2Bore

Example: GXC-45 X 46-10-14
GXC: Series
45: Diameter
46: Length
10: d1 bore
14: d2 bore
K: Keyway added (Non-standard keyway width)

Note: If an additional keyway is required, it will be treated as a non-standard custom order. Please add "K" after the shaft diameter in the model number.
Example: GXC-45 X 46-10K-14K indicates that keyways are added to both inner bores.

Outline Dimensions Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	ΦDs	L	LF	LP	Φd3	F	M	Tightening Torque (N.m)
GXC-14.5×18.4	4-5-6-6.35	14.5	15	18.4	8.9	4.5	7.35	2.5	M2.5	1
GXC-16.8×24.4	4-5-6-6.35	16.8	17.5	24.4	12	6	9	3.3	M3	1.5
GXC-20×27.2	5-6-6.35-7-8-9-9.525-10	20	21	27.2	13.35	6.5	13	3.9	M3	1.5
GXC-26×30.4	5-6-6.35-7-8-9-9.525-10-11-12	26	27	30.4	14.6	7.2	15	4	M4	3.5
GXC-30×33	5-6-6.35-8-9-9.525-10-11-12-12.7-14	30	31	33	15.75	8.5	17	4.3	M4	3.5
GXC-34×34	5-6-6.35-8-9-9.525-10-11-12-12.7-14-15-16	34	35	34	16.5	9	21	4.3	M4	3.5
GXC-38×39.5	5-6-6.35-8-9-9.525-10-11-12-12.7-14-15-16-17-18-19-20	38	41	39.5	19	9.5	23	5.3	M5	8
GXC-45×46	8-9-10-11-12-12.7-14-15-16-17-18-19-20-22	45	48	46	22.5	19	26	5.8	M5	8
GXC-55×57	10-11-12.7-14-15-16-17-18-19-20-22-24-25	55	58	57	28	17	36	7	M6	13

Note: The inner bores at both ends of the coupling can be freely combined from the minimum to the maximum bore diameters. The bores are machined using the H7 standard tolerance. The bore sizes marked in the table are for reference only. For specific customer-required bore diameters, please contact customer service, sales representatives, or other relevant technical personnel to inquire about detailed parameters.

Technical Specifications Table

Unit: mm

Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia ($kg \cdot m^2$)	Coupling Weight (g)
GXC-14.5×18.4	3	0.5	0.6	±0.2	8000	750	6.0×10^{-7}	17
GXC-16.8×24.4	5	0.5	0.6	±0.2	6500	1000	1.2×10^{-6}	30
GXC-20×27.2	7	0.5	0.6	±0.2	5500	2000	3.0×10^{-6}	48
GXC-26×30.4	10	0.8	0.6	±0.2	4500	3800	8.7×10^{-6}	90
GXC-30×33	24	1	0.6	±0.2	4500	5000	2.5×10^{-5}	120
GXC-34×34	32	1	0.6	±0.2	3500	7000	4.0×10^{-5}	172
GXC-38×39.5	50	1	0.6	±0.2	3500	10000	5.2×10^{-5}	250
GXC-45×46	50	1	0.5	±0.2	7000	35000	1.8×10^{-4}	450
GXC-55×57	75	1.5	0.5	±0.2	7000	52000	3.3×10^{-4}	800

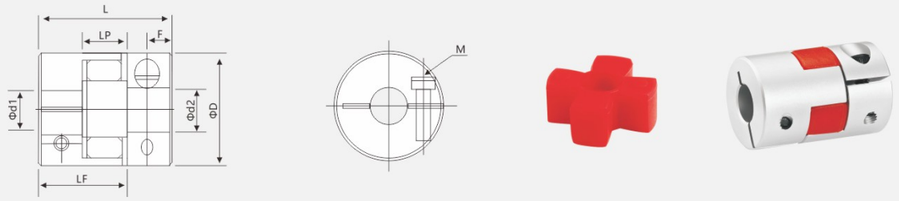
Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

*For shaft diameter and bore tolerances, the use of H7 tolerance is recommended.
*Keyways and other special bore shapes can be machined.
*Customization of non-standard outer diameters, lengths, and bore diameters is supported. Please provide precise parameters and drawings when requesting customization.

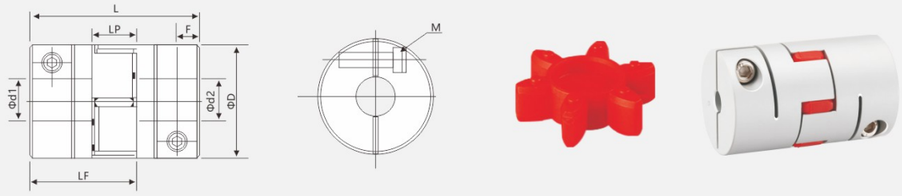
Features

> The main body is made of high-strength aluminum alloy.
> It features zero backlash and is suitable for forward and reverse rotation.
> The flexible element is made of polyurethane, providing excellent wear resistance, oil resistance, and electrical insulation.
> The intermediate elastomer absorbs vibration.
> It compensates for radial, angular, and axial misalignment.
> The detachable design facilitates installation.
> Fastened by positioning screws.

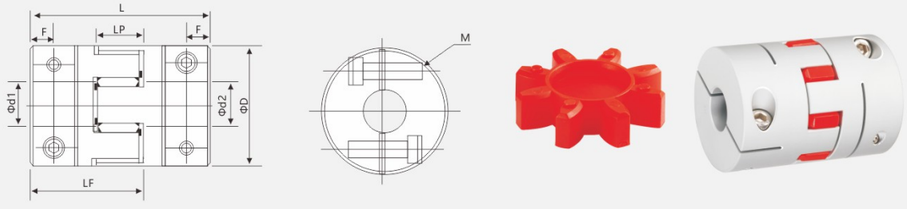
Outer Diameter
Φ14~Φ30

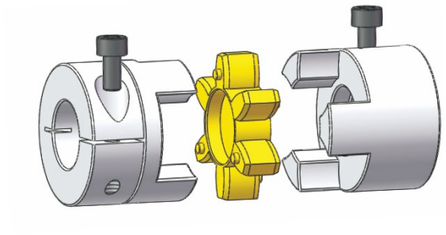


Outer Diameter
Φ35~40



Outer Diameter
Φ55~Φ80





Model Examples

SFR □□ × □□ - □□K□ - □□K□
Series Diameter Lenght d1Bore d2Bore

Example: SFR-55 X 78-16-20
SFR: Series
55: Diameter
78: Length
16: d1 bore
20: d2 bore
K: Keyway added (Non-standard keyway width)

Note: If an additional keyway is required, it will be treated as a non-standard custom order.
Please add "K" after the shaft diameter in the model number.
Example: SFR-55 X 78-16K-20K indicates that keyways are added to both inner bores.

Outline Dimensions Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	L	LF	LP	F	M	Tightening Torque (N.m)
SFR-14×22	3-4-5-6-6.35-7-8	14	22	13.7	6.6	3.8	M2.5	1
SFR-20×25	3-4-5-6-6.35-7-8-9-9.525-10	20	25	16.6	8.6	4	M3	1.5
SFR-20×30	3-4-5-6-6.35-7-8-9-9.525-10	20	30	19.1	8.6	5.3	M4	3.5
SFR-25×30	4-5-6-6.35-7-8-9-9.525-10-11-12-12.7-14	25	30	20.5	11.6	5.6	M4	3.5
SFR-25×34	4-5-6-6.35-7-8-9-9.525-10-11-12-12.7-14	25	34	22.5	11.6	5.6	M4	3.5
SFR-30×35	5-6-6.35-7-8-9-9.525-10-11-12-12.7-14-15-16	30	35	22.5	10.9	5.75	M4	3.5
SFR-30×40	5-6-6.35-7-8-9-9.525-10-11-12-12.7-14-15-16	30	40	25	10.9	7	M4	3.5
SFR-35×32	5-6-6.35-7-8-9-9.525-10-11-12-12.7-14-15-16-17-18-19	35	32	21	11.3	5.2	M5	8
SFR-35×50	5-6-6.35-7-8-9-9.525-10-11-12-12.7-14-15-16-17-18-19	35	50	30	11.5	10	M5	8
SFR-40×50	6-8-9-10-11-12-12.7-13-14-15-16-17-18-19-20-22-24	40	50	31.1	13.7	10	M5	8
SFR-40×55	6-8-9-10-11-12-12.7-13-14-15-16-17-18-19-20-22-24	40	55	33.6	13.7	10	M5	8
SFR-40×66	6-8-9-10-11-12-12.7-13-14-15-16-17-18-19-20-22-24	40	66	39.1	13.7	12.75	M5	8
SFR-45×55	8-9.525-10-11-12-12.7-14-15-16-17-18-19-20-22-24-25	45	55	33.9	14.3	6.5	M5	8
SFR-50×55	8-9.525-10-11-12-12.7-14-15-16-17-18-19-20-22-24-25	50	55	33.6	14	8	M6	13
SFR-55×49	12-12.7-14-15-16-17-18-19-20-22-24-25-28-30-32	55	49	31.7	16.1	8.5	M6	13
SFR-55×78	12-12.7-14-15-16-17-18-19-20-22-24-25-28-30-32	55	78	46.2	16.1	15.5	M6	13
SFR-65×90	14-15-16-17-18-19-20-22-24-25-28-30-32-35-38-40	65	90	52.9	16.7	18.1	M8	28
SFR-80×114	14-15-16-17-18-19-20-22-24-25-28-30-32-35-38-40-42-45	80	114	67	22.5	15.5	M8	28

Note: The inner bores at both ends of the coupling can be freely combined from the minimum to the maximum bore diameters. The bores are machined using the H7 standard tolerance. The bore sizes marked in the table are for reference only. For specific customer-required bore diameters, please contact customer service, sales representatives, or other relevant technical personnel to inquire about detailed parameters.

Technical Specifications Table

Unit: mm

Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia (kg·m²)	Hub Material	Diaphragm Material	Surface Treatment	Coupling Weight (g)
SFR-14×22	1.1	0.02	1	±0.60	19000	46	2.0×10^{-7}	High-Strength Aluminum Alloy	Polyurethane imported from Germany	Anodizing Treatment	10
SFR-20×25	2.8	0.02	1	±0.60	17000	55	1.0×10^{-6}				15
SFR-20×30	2.8	0.02	1	±0.60	17000	55	1.1×10^{-6}				19
SFR-25×30	6	0.02	1	±0.60	16000	65	5.2×10^{-6}				33
SFR-25×34	6	0.02	1	±0.60	16000	65	5.2×10^{-6}				42
SFR-30×35	6.5	0.02	1	±0.60	12000	72	6.2×10^{-6}				50
SFR-30×40	6.5	0.02	1	±0.60	12000	72	6.2×10^{-6}				60
SFR-35×32	15	0.02	1	±0.60	10000	200	8.1×10^{-6}				45
SFR-35×50	15	0.02	1	±0.60	10000	200	8.1×10^{-6}				45
SFR-40×50	32	0.02	1	±0.80	10000	450	3.8×10^{-5}				115
SFR-40×55	32	0.02	1	±0.80	10000	500	3.8×10^{-5}				127
SFR-40×66	32	0.02	1	±0.80	10000	550	3.9×10^{-5}				154
SFR-45×55	35	0.02	1	±0.80	10000	500	3.8×10^{-3}				115
SFR-50×55	40	0.02	1	±0.80	8000	1000	2.0×10^{-3}				132
SFR-55×49	46	0.02	1	±0.80	8000	1200	1.6×10^{-3}				241
SFR-55×78	46	0.02	1	±0.80	8000	1500	1.6×10^{-3}				341
SFR-65×90	109	0.02	1	±0.80	6000	2800	3.8×10^{-3}				583
SFR-80×114	135	0.02	1	±1.00	4600	3500	1.8×10^{-3}				1000

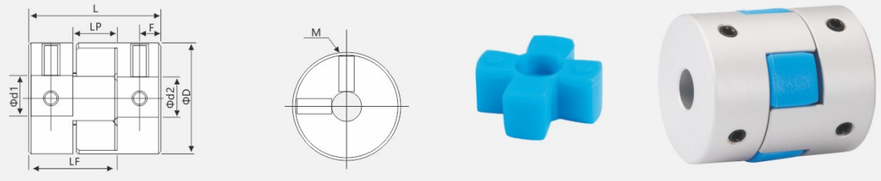
Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

*For shaft diameter and bore tolerances, the use of H7 tolerance is recommended.
*Keyways and other special bore shapes can be machined.
*Customization of non-standard outer diameters, lengths, and bore diameters is supported. Please provide precise parameters and drawings when requesting customization.

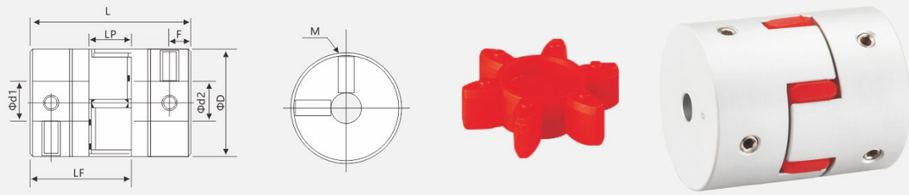
Features

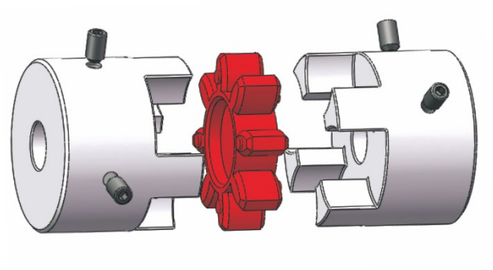
> The main body is made of high-strength aluminum alloy.
> It features zero backlash and is suitable for forward and reverse rotation.
> The flexible element is made of polyurethane, providing excellent wear resistance, oil resistance, and electrical insulation.
> The intermediate elastomer absorbs vibration.
> It compensates for radial, angular, and axial misalignment.
> The detachable design facilitates installation.
> Fastened by positioning screws.

Outer Diameter
Φ14~Φ30



Outer Diameter
Φ40





AKD.

SLI-Aluminum Alloy Spider Type Set Screw Series

Model Examples

SLI □□ × □□ - □□K□ - □□K□
Series / Diameter / Lenght / d1Bore / d2Bore

Example: SLI-25 X 34-10-14
SLI: Series
25: Diameter
34: Length
10: d1 bore
14: d2 bore
K: Keyway added (Non-standard keyway width)

Note: If an additional keyway is required, it will be treated as a non-standard custom order.
Please add "K" after the shaft diameter in the model number.
Example: SLI-25 X 34-10K-14K indicates that keyways are added to both inner bores.

Outline Dimensions Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	L	LF	LP	F	M	Tightening Torque (N.m)
SLI-14×22	3-4-5-6-6.35-7-8	14	22	13.7	6.6	3.8	M3	0.7
SLI-20×30	3-4-5-6-6.35-7-8-9-9.525-10-11	20	30	19.1	8.6	5.3	M4	1.7
SLI-25×34	4-5-6-6.35-7-8-9-9.525-10-11-12-12.7-14-15	25	34	22.5	11.6	5.6	M4	1.7
SLI-30×35	5-6-6.35-7-8-9-9.525-10-11-12-12.7-14-15-16	30	35	22.5	10.9	5.72	M4	1.7
SLI-40×66	6-8-9-10-11-12-12.7-13-14-15-16-17-18-19-20-22-24	40	66	39.1	13.7	12.75	M5	4

Note: The inner bores at both ends of the coupling can be freely combined from the minimum to the maximum bore diameters. The bores are machined using the H7 standard tolerance. The bore sizes marked in the table are for reference only. For specific customer-required bore diameters, please contact customer service, sales representatives, or other relevant technical personnel to inquire about detailed parameters.

Technical Specifications Table

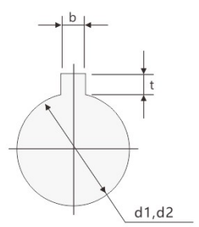
Unit: mm

Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia (kg·m²)	Hub Material	Flexible block material	Surface Treatment	Coupling Weight (g)
SLI-14×22	1.1	0.02	1	±0.60	19000	46	2.0×10^{-7}	High-Strength Aluminum Alloy	Polyurethane imported from Germany	Anodizing Treatment	7
SLI-20×30	2.8	0.02	1	±0.60	17000	55	1.0×10^{-6}				18
SLI-25×34	6	0.02	1	±0.60	16000	65	5.0×10^{-6}				40
SLI-30×35	6.5	0.02	1	±0.60	12000	72	5.5×10^{-6}				46
SLI-40×66	32	0.02	1	±0.80	10000	550	3.8×10^{-5}				145

Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

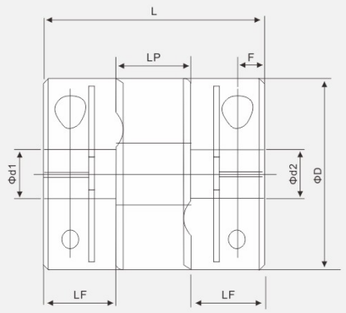
Keyway Machining Dimensions Reference Table

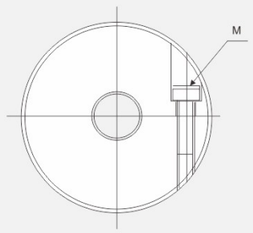
Unit: mm

Shaft Diameter	Standard Machined Keyway Dimensions				Keyway Size	Standard Keyway Machining Drawing
d1/d2	b		t		(bXh)	
	Slot Width	Tolerance	Slot Width	Tolerance		
Φ6~Φ7.9	2	±0.0125	1.0	+0.10	2×2	
Φ8~Φ10	3		1.4		3×3	
Φ10.1~Φ12	4	±0.0150	1.8		4×4	
Φ12.1~Φ17	5		2.3		5×5	
Φ17.1~Φ22	6		2.8		6×6	
Φ22.1~Φ30	8	±0.0180	3.3	+0.20	8×7	
Φ30.1~Φ38	10		3.3		10×8	
Φ38.1~Φ44	12	±0.0215	3.3		12×8	
Φ44.1~Φ50	14		3.8		14×9	
Φ50.1~Φ58	16		4.3		16×10	
Φ58.1~Φ65	18		4.4		18×11	

Features

> The shaft sleeve is made of high-strength aluminum alloy.
> The flexible element material uses imported rubber, offering good wear resistance, corrosion resistance, and electrical insulation.
> The rubber design more effectively compensates for radial and angular misalignment.
> It has a strong vibration absorption capability.
> Fastened by clamping screws.





Model Examples

FTC □□ × □□ - □□K□ - □□K□
Series Diameter Lenght d1Bore d2Bore

Example: FTC-30 X 36-10-12
FTC: Series
30: Diameter
36: Length
10: d1 bore
12: d2 bore
K: Keyway added (Non-standard keyway width)

Note: If an additional keyway is required, it will be treated as a non-standard custom order. Please add "K" after the shaft diameter in the model number.
Example: FTC-30 X 36-10K-12K indicates that keyways are added to both inner bores.

Outline Dimensions Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	L	LF	LP	F	M	Tightening Torque (N.m)
FTC-15×23	3-4-5-6	15	23	8	7	2.65	M2	0.45
FTC-19×26	3-4-5-6-6.35-7-8-9	19	26	9	8	3.01	M2.5	1
FTC-25×32	4-5-6-6.35-7-8-9-9.5-10-11-12-12.7-13	25	32	11	10	3.8	M2.5	1
FTC-30×36	5-6-6.35-7-8-9-9.5-10-11-12-12.7-13-14-15-16	30	36	12	12	4.2	M3	1.5
FTC-34×38	6-6.35-7-8-9-9.5-10-11-12-12.7-13-14-15-16	34	38	13	12	4.3	M3	1.5
FTC-39×48	6-6.35-7-8-9-9.5-10-12-14-15-16-17-19	39	48	18	12	5.1	M4	3.5

Note: The inner bores at both ends of the coupling can be freely combined from the minimum to the maximum bore diameters. The bores are machined using the H7 standard tolerance. The bore sizes marked in the table are for reference only. For specific customer-required bore diameters, please contact customer service, sales representatives, or other relevant technical personnel to inquire about detailed parameters.

Technical Specifications Table

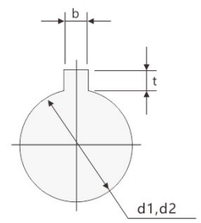
Unit: mm

Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia ($kg \cdot m^2$)	Hub Material	Flexible block material	Surface Treatment	Coupling Weight (g)
FTC-15×23	1.0	0.15	1.5	±0.2	35000	41	2.6×10^{-7}	High-Strength Aluminum Alloy	Imported rubber	Polished finish	8
FTC-19×26	1.9	0.15	1.5	±0.2	28000	84	7.5×10^{-7}				14
FTC-25×32	3.5	0.15	1.5	±0.2	22000	162	2.7×10^{-6}				28
FTC-30×36	5.7	0.15	1.5	±0.2	18000	209	6.3×10^{-6}				38
FTC-34×38	7	0.2	1.5	±0.25	15000	370	1.1×10^{-5}				55
FTC-39×48	12	0.2	1.5	±0.25	15000	479	2.4×10^{-5}				85

Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

Keyway Machining Dimensions Reference Table

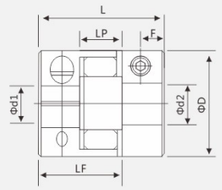
Unit: mm

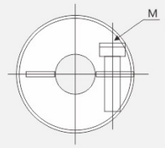
Shaft Diameter	Standard Machined Keyway Dimensions				Keyway Size	Standard Keyway Machining Drawing
d1/d2	b		t		(bXh)	
	Slot Width	Tolerance	Slot Width	Tolerance		
Φ6~Φ7.9	2	±0.0125	1.0	+0.10	2×2	
Φ8~Φ10	3		1.4		3×3	
Φ10.1~Φ12	4	±0.0150	1.8		4×4	
Φ12.1~Φ17	5		2.3		5×5	
Φ17.1~Φ22	6		2.8		6×6	
Φ22.1~Φ30	8	±0.0180	3.3	+0.20	8×7	
Φ30.1~Φ38	10		3.3		10×8	
Φ38.1~Φ44	12	±0.0215	3.3		12×8	
Φ44.1~Φ50	14		3.8		14×9	
Φ50.1~Φ58	16		4.3		16×10	
Φ58.1~Φ65	18		4.4		18×11	

Features

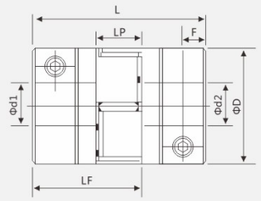
> The shaft sleeve is made of 45# steel.
> It features zero backlash and is suitable for forward and reverse rotation.
> The flexible element is made of polyurethane, offering good wear resistance, oil resistance, and electrical insulation.
> The intermediate elastomer absorbs vibration and compensates for radial, angular, and axial misalignment.
> The detachable design facilitates installation.
> Fastened by clamping screws.

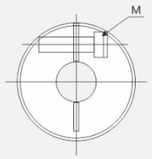
Outer Diameter Φ30



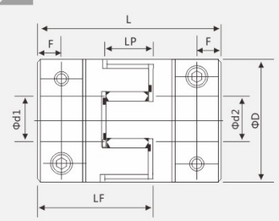


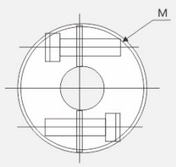
Outer Diameter Φ40

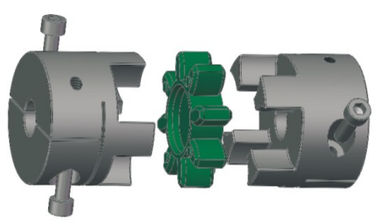




Outer Diameter Φ55~Φ65







Model Examples

SRS □□ × □□ - □□K□ - □□K□
Series Diameter Lenght d1Bore d2Bore

Example: SRS-55 X 78-16-20
SRS: Series
55: Diameter
78: Length
16: d1 bore
20: d2 bore
K: Keyway added (Non-standard keyway width)

Note: If an additional keyway is required, it will be treated as a non-standard custom order. Please add "K" after the shaft diameter in the model number.
Example: SRS-55 X 78-16K-20K indicates that keyways are added to both inner bores.

Outline Dimensions Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	L	LF	LP	F	M	Tightening Torque (N.m)
SRS-30×40	5-6-6.35-7-8-9-10-11-12-12.7-14-15-16	30	40	25	10.9	7.0	M4	3.5
SRS-40×66	6-8-9-10-11-12-12.7-14-15-16-17-18-19-20-22-24	40	66	39.1	13.7	8.0	M5	8
SRS-55×78	12-12.7-14-15-16-17-18-19-20-22-24-25-28-30-32	55	78	46.2	16.1	10.3	M5	8
SRS-65×90	14-15-16-17-18-19-20-22-24-25-28-30-32-35-38-40	65	90	52.9	16.7	11.9	M8	28

Note: The inner bores at both ends of the coupling can be freely combined from the minimum to the maximum bore diameters. The bores are machined using the H7 standard tolerance. The bore sizes marked in the table are for reference only. For specific customer-required bore diameters, please contact customer service, sales representatives, or other relevant technical personnel to inquire about detailed parameters.

Technical Specifications Table

Unit: mm

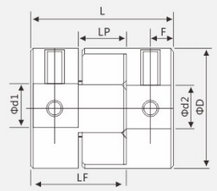
Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia ($kg \cdot m^2$)	Hub Material	Flexible block material	Surface Treatment	Coupling Weight (g)
SRS-30×40	9.8	0.02	1	±0.80	12000	72	6.2×10^{-6}	45# steel	Polyurethane imported from Germany	Black oxide finish	135
SRS-40×66	48	0.02	1	±0.80	10000	550	3.9×10^{-5}				380
SRS-55×78	69	0.02	1	±0.80	8000	1500	1.6×10^{-3}				778
SRS-65×90	164	0.02	1	±0.80	6000	2800	3.8×10^{-3}				1329

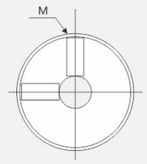
Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

Features

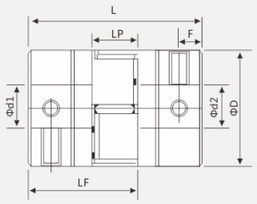
> The shaft sleeve is made of 45# steel.
> It features zero backlash and is suitable for forward and reverse rotation.
> The flexible element is made of polyurethane, offering good wear resistance, oil resistance, and electrical insulation.
> The intermediate elastomer absorbs vibration and compensates for radial, angular, and axial misalignment.
> The detachable design facilitates installation.
> Fastened by clamping screws.

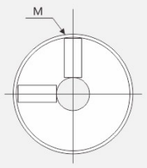
Outer Diameter Φ30



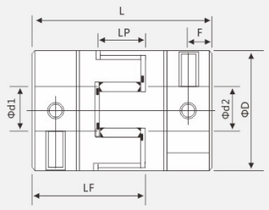


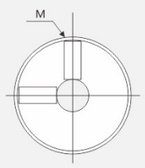
Outer Diameter Φ40

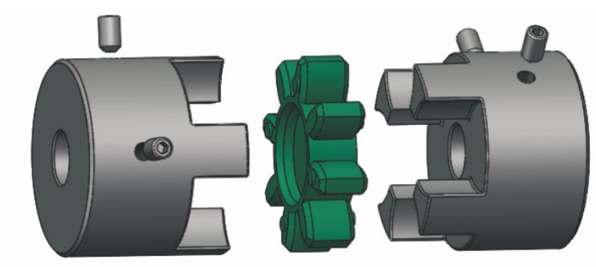




Outer Diameter Φ55~Φ65







Model Examples

SIS □□ × □□ - □□K□ - □□K□
Series Diameter Lenght d1Bore d2Bore

Example: SIS-55 X 78-16-20
SIS: Series
55: Diameter
78: Length
16: d1 bore
20: d2 bore
K: Keyway added (Non-standard keyway width)

Note: If an additional keyway is required, it will be treated as a non-standard custom order. Please add "K" after the shaft diameter in the model number.
Example: SIS-55 X 78-16K-20K indicates that keyways are added to both inner bores.

Outline Dimensions Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	L	LF	LP	F	M	Tightening Torque (N.m)
SIS-30×40	5-6-6.35-7-8-9-10-11-12-12.7-14-15-16	30	40	25	10.9	10	M4	1.7
SIS-40×66	6-8-9-10-11-12-12.7-14-15-16-17-18-19-20-22-24	40	66	39.1	13.7	12.5	M5	4
SIS-55×78	12-12.7-14-15-16-17-18-19-20-22-24-25-28-30-32	55	78	46.2	16.1	15.5	M6	7
SIS-65×90	14-15-16-17-18-19-20-22-24-25-28-30-32-35-38-40	65	90	52.9	16.7	18.1	M8	15

Note: The inner bores at both ends of the coupling can be freely combined from the minimum to the maximum bore diameters. The bores are machined using the H7 standard tolerance. The bore sizes marked in the table are for reference only. For specific customer-required bore diameters, please contact customer service, sales representatives, or other relevant technical personnel to inquire about detailed parameters.

Technical Specifications Table

Unit: mm

Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia ($kg \cdot m^2$)	Hub Material	Flexible block material	Surface Treatment	Coupling Weight (g)
SIS-30×40	9.8	0.02	1	±0.60	12000	72	6.5×10^{-6}	45# steel	Polyurethane imported from Germany	Black oxide finish	138
SIS-40×66	48	0.02	1	±0.80	10000	550	3.8×10^{-5}				350
SIS-55×78	69	0.02	1	±0.80	8000	1500	1.5×10^{-3}				778
SIS-65×90	164	0.02	1	±0.80	6000	2800	3.6×10^{-3}				1324

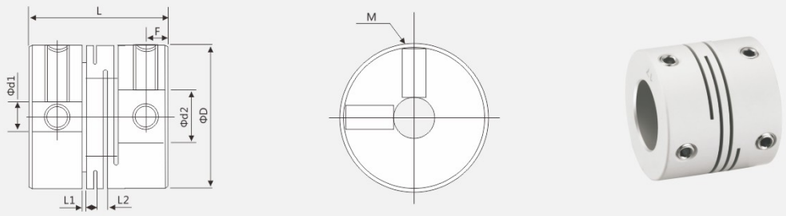
Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

SEI-Aluminum Alloy Parallel Linear Set Screw Series

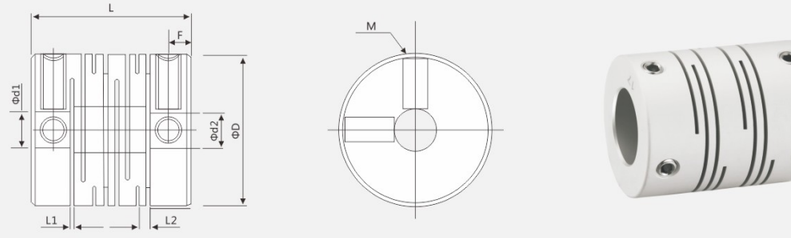
Features

> Integrated one-piece structure, made entirely of high-strength aluminum alloy.
> Elastic action compensates for radial, angular, and axial misalignment.
> Zero-backlash connection between shaft and sleeve, suitable for forward and reverse rotation.
> Specifically designed for encoders and miniature motors.
> Fastened by positioning screws.

Short type
(Example SEI-16x18)



Standard type
(Example SEI-16x23)



Model Examples

SEI □□ × □□ - □□K□ - □□K□
Series Diameter Lenght d1Bore d2Bore

Example: SEI-20 X 26-8-10
SEI: Series
20: Diameter
26: Length
8: d1 bore
10: d2 bore
K: Keyway added (Non-standard keyway width)

Note: If an additional keyway is required, it will be treated as a non-standard custom order. Please add "K" after the shaft diameter in the model number.
Example: SEI-20 X 26-8K-10K indicates that keyways are added to both inner bores.

SEI-Aluminum Alloy Parallel Linear Set Screw Series

Outline Dimensions Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	L	L1	L2	F	M	Tightening Torque (N.m)
SEI-12×18.5	2-3-4-5-6	12	18.5	0.55	1.2	2.5	M2.5	0.5
SEI-16×18	3-4-5-6-6.35	16	18	0.55	1.4	3	M3	0.7
SEI-16×23	3-4-5-6-6.35	16	23	0.55	1.4	3	M3	0.7
SEI-17.5×23	4-5-6-6.35-7-8	17.5	23	0.55	1.4	3.2	M3	0.7
SEI-20×20	4-5-6-6.35-7-8-10	20	20	0.55	1.5	3.2	M4	1.7
SEI-20×26	4-5-6-6.35-7-8-10	20	26	0.55	1.5	3.6	M4	1.7
SEI-25×25	5-6-6.35-7-8-9-9.525-10-11-12	25	25	0.6	1.7	4	M4	1.7
SEI-25×31	5-6-6.35-7-8-9-9.525-10-11-12	25	31	0.6	1.8	3.6	M4	1.7
SEI-32×32	8-9-9.525-10-11-12-12.7-14-15-16	32	32	0.8	2.3	6	M5	4
SEI-32×41	8-9-9.525-10-11-12-12.7-14-15-16	32	41	0.8	2.3	4.3	M5	4
SEI-40×56	8-10-11-12-12.7-14-15-16-17-18-19-20	40	56	0.8	2.7	6	M6	7

Note: The inner bores at both ends of the coupling can be freely combined from the minimum to the maximum bore diameters. The bores are machined using the H7 standard tolerance. The bore sizes marked in the table are for reference only. For specific customer-required bore diameters, please contact customer service, sales representatives, or other relevant technical personnel to inquire about detailed parameters.

Technical Specifications Table

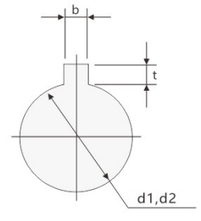
Unit: mm

Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia ($kg \cdot m^2$)	Coupling Weight (g)
SEI-12×18.5	0.5	0.1	1.5	±0.2	30000	31	8.3×10^{-8}	3.7
SEI-16×18	0.5	0.1	1.5	±0.2	24000	44	3.3×10^{-7}	6
SEI-16×23	0.5	0.1	1.5	±0.2	24000	44	3.3×10^{-7}	8.1
SEI-17.5×23	0.8	0.15	1.5	±0.2	24000	80	3.3×10^{-7}	10
SEI-20×20	1	0.15	1.5	±0.2	19000	109	9.0×10^{-7}	12
SEI-20×26	1	0.15	1.5	±0.2	19000	109	9.0×10^{-7}	15
SEI-25×25	2	0.15	1.5	±0.2	15000	165	2.2×10^{-6}	23
SEI-25×31	2	0.15	1.5	±0.2	15000	165	2.6×10^{-6}	27
SEI-32×32	4	0.15	1.5	±0.2	12000	270	$8..0\times10^{-6}$	50
SEI-32×41	4	0.2	1.5	±0.2	12000	270	9.6×10^{-6}	60
SEI-40×56	8	0.2	1.5	±0.2	9400	344	3.1×10^{-5}	135

Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

Keyway Machining Dimensions Reference Table

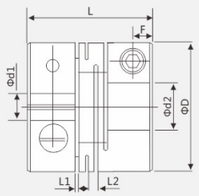
Unit: mm

Shaft Diameter	Standard Machined Keyway Dimensions				Keyway Size	Standard Keyway Machining Drawing
d1/d2	b		t		(bXh)	
	Slot Width	Tolerance	Slot Width	Tolerance		
Φ6~Φ7.9	2	±0.0125	1.0	+0.10	2×2	
Φ8~Φ10	3		1.4		3×3	
Φ10.1~Φ12	4	±0.0150	1.8		4×4	
Φ12.1~Φ17	5		2.3		5×5	
Φ17.1~Φ22	6		2.8		6×6	
Φ22.1~Φ30	8	±0.0180	3.3	+0.20	8×7	
Φ30.1~Φ38	10		3.3		10×8	
Φ38.1~Φ44	12	±0.0215	3.3		12×8	
Φ44.1~Φ50	14		3.8		14×9	
Φ50.1~Φ58	16		4.3		16×10	
Φ58.1~Φ65	18		4.4		18×11	

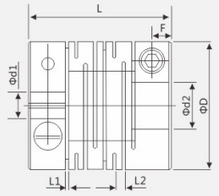
Features

> Integrated one-piece structure, made entirely of high-strength aluminum alloy.
> Elastic action compensates for radial, angular, and axial misalignment.
> Zero-backlash connection between shaft and sleeve, suitable for forward and reverse rotation.
> Specifically designed for encoders and stepper motors.
> Fastened by clamping screws.

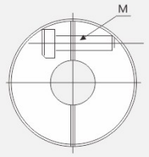
Outer Diameter
Φ12~Φ38



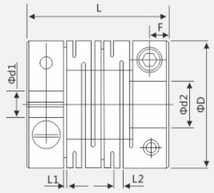
Short type (Example SEC-16x18)



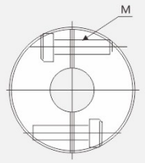
Standard type (Example SEC-16x23)



Outer Diameter
Φ40



Standard type (Φ40~Φ50)



Model Examples

SEC □□ × □□ - □□K□ - □□K□
Series Diameter Lenght d1Bore d2Bore

Example: SEC-25 X 31-6-8
SEC: Series
25: Diameter
31: Length
6: d1 bore
8: d2 bore
K: Keyway added (Non-standard keyway width)

Note: If an additional keyway is required, it will be treated as a non-standard custom order. Please add "K" after the shaft diameter in the model number.
Example: SEC-25 X 31-6K-8K indicates that keyways are added to both inner bores.

Outline Dimensions Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	L	L1	L2	F	M	Tightening Torque (N.m)
SEC-12×18.5	2-3-4-5-6	12	18.5	0.55	1.3	2.5	M2	0.45
SEC-16×18	3-4-5-6-6.35	16	18	0.55	1.4	3.18	M2.5	1
SEC-16×23	3-4-5-6-6.35	16	23	0.55	1.4	3.18	M2.5	1
SEC-20×20	4-5-6-6.35-7-8-10	20	20	0.55	1.5	3.75	M2.5	1
SEC-20×26	4-5-6-6.35-7-8-10	20	26	0.55	1.5	3.75	M3	1.5
SEC-25×25	5-6-6.35-7-8-9-9.525-10-11-12	25	25	0.6	1.7	4.84	M3	1.5
SEC-25×31	5-6-6.35-7-8-9-9.525-10-11-12	25	31	0.6	1.8	4.46	M3	1.5
SEC-32×32	8-9-9.525-10-11-12-12.7-14-15-16	32	32	0.8	2.3	5.3	M4	3.5
SEC-32×41	8-9-9.525-10-11-12-12.7-14-15-16	32	41	0.8	2.3	6.6	M4	3.5
SEC-40×56	8-10-11-12-12.7-14-15-16-17-18-19-20	40	56	0.8	2.7	8.0	M5	8

Note: The inner bores at both ends of the coupling can be freely combined from the minimum to the maximum bore diameters. The bores are machined using the H7 standard tolerance. The bore sizes marked in the table are for reference only. For specific customer-required bore diameters, please contact customer service, sales representatives, or other relevant technical personnel to inquire about detailed parameters.

Technical Specifications Table

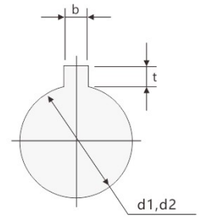
Unit: mm

Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia ($kg \cdot m^2$)	Coupling Weight (g)
SEC-12×18.5	0.5	0.1	1.5	±0.2	10000	32	7.6×10^{-8}	4.8
SEC-16×18	0.5	0.1	1.5	±0.2	10000	44	2.9×10^{-7}	8
SEC-16×23	0.5	0.1	1.5	±0.2	9500	44	3.4×10^{-7}	9.3
SEC-20×20	1	0.1	1.5	±0.2	7600	110	8.8×10^{-6}	14
SEC-20×26	1	0.1	1.5	±0.2	7600	100	9.1×10^{-6}	16.5
SEC-25×25	2	0.15	1.5	±0.2	6100	165	2.3×10^{-6}	26
SEC-25×31	2	0.15	1.5	±0.2	6100	165	2.6×10^{-6}	29
SEC-32×32	4	0.15	1.5	±0.2	5000	228	8.8×10^{-6}	56
SEC-32×41	4	0.15	1.5	±0.2	5000	228	9.7×10^{-6}	65
SEC-40×56	8	0.2	1.5	±0.2	5800	340	3.3×10^{-5}	142

Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

Keyway Machining Dimensions Reference Table

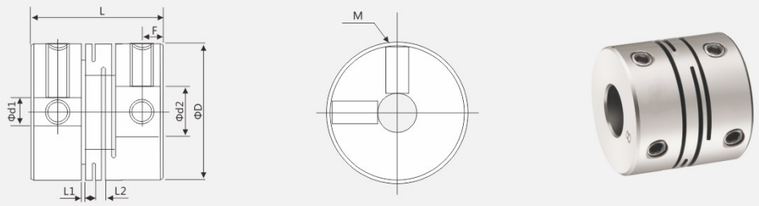
Unit: mm

Shaft Diameter	Standard Machined Keyway Dimensions				Keyway Size	Standard Keyway Machining Drawing
d1/d2	b		t		(bXh)	
	Slot Width	Tolerance	Slot Width	Tolerance		
Φ6~Φ7.9	2	±0.0125	1.0	+0.10	2×2	
Φ8~Φ10	3		1.4		3×3	
Φ10.1~Φ12	4	±0.0150	1.8		4×4	
Φ12.1~Φ17	5		2.3		5×5	
Φ17.1~Φ22	6		2.8		6×6	
Φ22.1~Φ30	8	±0.0180	3.3	+0.20	8×7	
Φ30.1~Φ38	10		3.3		10×8	
Φ38.1~Φ44	12	±0.0215	3.3		12×8	
Φ44.1~Φ50	14		3.8		14×9	
Φ50.1~Φ58	16		4.3		16×10	
Φ58.1~Φ65	18		4.4		18×11	

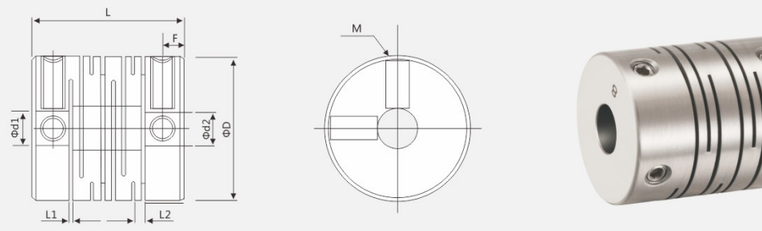
Features

> Integrated one-piece structure, entirely made of stainless steel.
> The stainless steel material provides corrosion resistance.
> Zero-backlash connection between shaft and sleeve, suitable for forward and reverse rotation.
> Specifically designed for encoders and stepper motors.
> Fastened by positioning screws.

Short type
(Example GEI-16x18)



Standard type
(Example GEI-16x23)



Model Examples

GEI □□ × □□ - □□K□ - □□K□
Series Diameter Lenght d1Bore d2Bore

Example: GEI-25 X 31-6-8
GEI: Series
25: Diameter
31: Length
6: d1 bore
8: d2 bore
K: Keyway added (Non-standard keyway width)

Note: If an additional keyway is required, it will be treated as a non-standard custom order. Please add "K" after the shaft diameter in the model number.
Example: GEI-25 X 31-6K-8K indicates that keyways are added to both inner bores.

Outline Dimensions Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	L	L1	L2	F	M	Tightening Torque (N.m)
GEI-12×18.5	2-3-4-5-6	12	18.5	0.55	1.2	2.5	M2.5	0.5
GEI-16×18	3-4-5-6-6.35	16	18	0.55	1.3	3	M3	0.7
GEI-16×23	3-4-5-6-6.35	16	23	0.55	1.3	3	M3	0.7
GEI-20×20	4-5-6-6.35-7-8-10	20	20	0.55	1.4	3.6	M4	1.7
GEI-20×26	4-5-6-6.35-7-8-10	20	26	0.55	1.4	3.6	M4	1.7
GEI-25×25	5-6-6.35-7-8-9-9.525-10-11-12	25	25	0.6	1.7	4	M4	1.7
GEI-25×31	5-6-6.35-7-8-9-9.525-10-11-12	25	31	0.6	1.8	3.6	M4	1.7
GEI-32×32	8-9-9.525-10-11-12-12.7-14-15-16	32	32	0.8	2.3	6	M5	4
GEI-32×41	8-9-9.525-10-11-12-12.7-14-15-16	32	41	0.8	2.3	4.3	M5	4
GEI-40×56	8-10-11-12-12.7-14-15-16-17-18-19-20	40	56	0.8	2.3	6	M6	7

Note: The inner bores at both ends of the coupling can be freely combined from the minimum to the maximum bore diameters. The bores are machined using the H7 standard tolerance. The bore sizes marked in the table are for reference only. For specific customer-required bore diameters, please contact customer service, sales representatives, or other relevant technical personnel to inquire about detailed parameters.

Technical Specifications Table

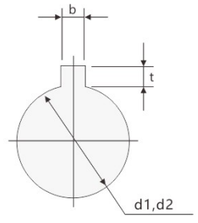
Unit: mm

Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia ($kg \cdot m^2$)	Coupling Weight (g)
GEI-12×18.5	0.75	0.1	1.5	±0.2	30000	60	2.0×10^{-7}	12
GEI-16×18	0.9	0.1	1.5	±0.2	22000	80	8.4×10^{-7}	21
GEI-16×23	0.9	0.1	1.5	±0.2	22000	80	8.4×10^{-7}	21
GEI-20×20	1.6	0.1	1.5	±0.2	18000	235	2.4×10^{-6}	30
GEI-20×26	1.6	0.1	1.5	±0.2	18000	235	2.4×10^{-6}	38
GEI-25×25	3	0.15	1.5	±0.2	14000	330	6.1×10^{-6}	63
GEI-25×31	3	0.15	1.5	±0.2	14000	330	6.8×10^{-6}	71
GEI-32×32	6	0.15	1.5	±0.2	10000	837	2.1×10^{-5}	130
GEI-32×41	6	0.2	1.5	±0.2	10000	837	2.6×10^{-5}	160
GEI-40×56	15	0.2	1.5	±0.2	9000	970	8.6×10^{-5}	400

Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

Keyway Machining Dimensions Reference Table

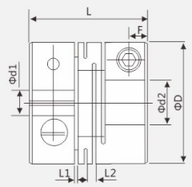
Unit: mm

Shaft Diameter	Standard Machined Keyway Dimensions				Keyway Size	Standard Keyway Machining Drawing
d1/d2	b		t		(bXh)	
	Slot Width	Tolerance	Slot Width	Tolerance		
Φ6~Φ7.9	2	±0.0125	1.0	+0.10	2×2	
Φ8~Φ10	3		1.4		3×3	
Φ10.1~Φ12	4	±0.0150	1.8		4×4	
Φ12.1~Φ17	5		2.3		5×5	
Φ17.1~Φ22	6		2.8		6×6	
Φ22.1~Φ30	8	±0.0180	3.3	+0.20	8×7	
Φ30.1~Φ38	10		3.3		10×8	
Φ38.1~Φ44	12	±0.0215	3.3		12×8	
Φ44.1~Φ50	14		3.8		14×9	
Φ50.1~Φ58	16		4.3		16×10	
Φ58.1~Φ65	18		4.4		18×11	

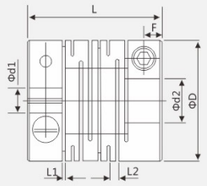
Features

> Integrated one-piece structure, entirely made of stainless steel.
> The stainless steel material provides corrosion resistance.
> Zero-backlash connection between shaft and sleeve, suitable for forward and reverse rotation.
> Specifically designed for servo motors and stepper motors.
> Fastened by clamping screws.

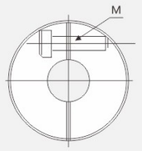
Outer Diameter Φ12~Φ32



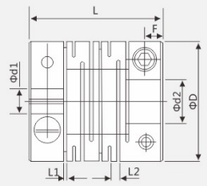
Short type (Example GEC-16x18)



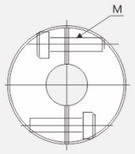
Standard type (Example GEC-16x23)



Outer Diameter Φ40



Standard type (Φ40)



Model Examples

GEC □□ × □□ - □□K□ - □□K□
Series Diameter Lenght d1Bore d2Bore

Example: GEC-20 X 26-6-8
GEC: Series
20: Diameter
26: Length
6: d1 bore
8: d2 bore
K: Keyway added (Non-standard keyway width)

Note: If an additional keyway is required, it will be treated as a non-standard custom order. Please add "K" after the shaft diameter in the model number.
Example: GEC-20 X 26-6K-8K indicates that keyways are added to both inner bores.

Outline Dimensions Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	L	L1	L2	F	M	Tightening Torque (N.m)
GEC-16×18	3-4-5-6-6.35	16	18	0.55	1.3	2.85	M2.5	1
GEC-16×23	3-4-5-6-6.35	16	23	0.55	1.3	2.85	M2.5	1
GEC-20×20	4-5-6-6.35-7-8-10	20	20	0.55	1.4	3.75	M3	1.5
GEC-20×26	4-5-6-6.35-7-8-10	20	26	0.55	1.4	3.75	M3	1.5
GEC-25×25	5-6-6.35-7-8-9-9.525-10-11-12	25	25	0.6	1.7	4.84	M3	1.5
GEC-25×31	5-6-6.35-7-8-9-9.525-10-11-12	25	31	0.6	1.8	4.46	M3	1.5
GEC-32×32	8-9-9.525-10-11-12-12.7-14-15-16	32	32	0.8	2.3	5.3	M4	3.5
GEC-32×41	8-9-9.525-10-11-12-12.7-14-15-16	32	41	0.8	2.3	6.6	M4	3.5
GEC-40×56	8-10-11-12-12.7-14-15-16-17-18-19-20	40	56	0.8	2.3	8	M5	8

Note: The inner bores at both ends of the coupling can be freely combined from the minimum to the maximum bore diameters. The bores are machined using the H7 standard tolerance. The bore sizes marked in the table are for reference only. For specific customer-required bore diameters, please contact customer service, sales representatives, or other relevant technical personnel to inquire about detailed parameters.

Technical Specifications Table

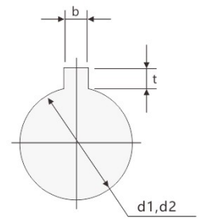
Unit: mm

Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia ($kg \cdot m^2$)	Coupling Weight (g)
GEC-16×18	0.9	0.1	1.5	±0.2	9500	84	9.0×10^{-7}	16
GEC-16×23	0.9	0.1	1.5	±0.2	9500	84	9.0×10^{-7}	23
GEC-20×20	1.6	0.1	1.5	±0.2	7600	245	2.5×10^{-6}	35
GEC-20×26	1.6	0.1	1.5	±0.2	7600	245	2.5×10^{-6}	42
GEC-25×25	3	0.15	1.5	±0.2	6100	720	6.3×10^{-6}	66
GEC-25×31	3	0.15	1.5	±0.2	6100	330	7.1×10^{-6}	75
GEC-32×32	6	0.15	1.5	±0.2	5000	1300	2.2×10^{-5}	145
GEC-32×41	6	0.15	1.5	±0.2	4800	850	2.7×10^{-5}	165
GEC-40×56	15	0.2	1.5	±0.2	3600	960	8.0×10^{-5}	372

Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

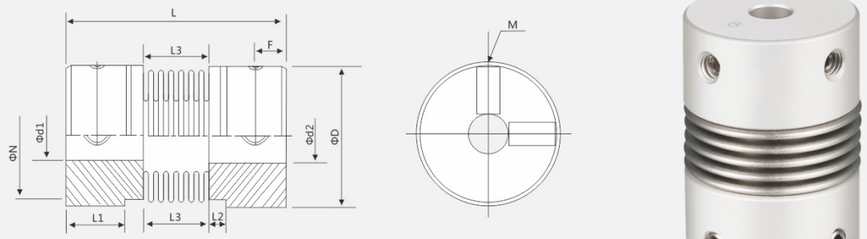
Keyway Machining Dimensions Reference Table

Unit: mm

Shaft Diameter	Standard Machined Keyway Dimensions				Keyway Size	Standard Keyway Machining Drawing
d1/d2	b		t		(bXh)	
	Slot Width	Tolerance	Slot Width	Tolerance		
Φ6~Φ7.9	2	±0.0125	1.0	+0.10	2×2	
Φ8~Φ10	3		1.4		3×3	
Φ10.1~Φ12	4	±0.0150	1.8		4×4	
Φ12.1~Φ17	5		2.3		5×5	
Φ17.1~Φ22	6		2.8		6×6	
Φ22.1~Φ30	8	±0.0180	3.3	+0.20	8×7	
Φ30.1~Φ38	10		3.3		10×8	
Φ38.1~Φ44	12	±0.0215	3.3		12×8	
Φ44.1~Φ50	14		3.8		14×9	
Φ50.1~Φ58	16		4.3		16×10	
Φ58.1~Φ65	18		4.4		18×11	

Features

> The shaft sleeve material is aluminum alloy, and the intermediate bellows is made of stainless steel, offering excellent corrosion resistance.
> It features zero backlash and is suitable for forward and reverse rotation.
> The bellows structure more effectively compensates for radial, angular, and axial misalignment.
> Specifically designed for miniature motors and encoders.
> Fastened by positioning screws.



Model Examples

SRI □□ × □□ - □□K□ - □□K□
Series Diameter Lenght d1Bore d2Bore

Example: SRI-20 X 32-8-10
SRI: Series
20: Diameter
32: Length
8: d1 bore
10: d2 bore
K: Keyway added (Non-standard keyway width)

Note: If an additional keyway is required, it will be treated as a non-standard custom order. Please add "K" after the shaft diameter in the model number.
Example: SRI-20 X 32-8K-10K indicates that keyways are added to both inner bores.

Outline Dimensions Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	L	L1	L2	L3	ΦN	F	M	Tightening Torque (N.m)
SRI-16×27	3-4-5-6	16	27	10.6	2	8	13.5	3	M3	0.7
SRI-20×32	3-4-5-6-6.35-7-8-9	20	32	9	2.8	12	18	3.5	M3	0.7
SRI-22.5×34	4-5-6-6.35-7-8-9-9.5-10-11-12-12.7-13	22.5	34	10	2.8	12.3	20.2	3.6	M4	1.7
SRI-25×37	5-6-6.35-7-8-9-9.5-10-11-12-12.7-13-14-15-16	25	37	12	3	12	20.2	4.5	M4	1.7
SRI-32×42	6-6.35-7-8-9-9.5-10-11-12-12.7-13-14-15-16	32	42	17	4	18	27.2	4.5	M5	4
SRI-40×51	6-6.35-7-8-9-9.5-10-12-14-15-16-17-19	40	51	18	6	20	34.5	5.5	M5	4

Note: The inner bores at both ends of the coupling can be freely combined from the minimum to the maximum bore diameters. The bores are machined using the H7 standard tolerance. The bore sizes marked in the table are for reference only. For specific customer-required bore diameters, please contact customer service, sales representatives, or other relevant technical personnel to inquire about detailed parameters.

Technical Specifications Table

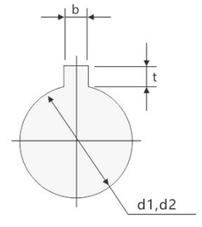
Unit: mm

Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia (kg·m²)	Coupling Weight (g)
SRI-16×27	0.8	0.1	2	+0.3-1.0	20000	150	7.9×10^{-7}	8
SRI-20×32	1.5	0.1	2	+0.3-1.0	18000	220	2.0×10^{-6}	13
SRI-22.5×34	1.8	0.15	2	+0.3-1.0	16000	300	6.2×10^{-6}	22
SRI-25×37	2.0	0.15	2	+0.5-1.3	15000	330	6.7×10^{-6}	30
SRI-32×42	2.5	0.2	2	+0.5-1.3	11000	490	2.0×10^{-5}	53
SRI-40×51	10	0.2	2	+0.5-1.3	10000	530	2.1×10^{-4}	85

Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

Keyway Machining Dimensions Reference Table

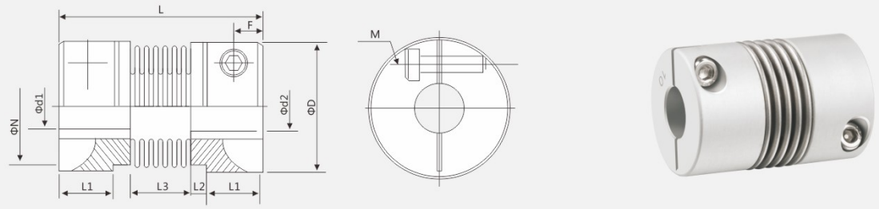
Unit: mm

Shaft Diameter	Standard Machined Keyway Dimensions				Keyway Size	Standard Keyway Machining Drawing
d1/d2	b		t		(bXh)	
	Slot Width	Tolerance	Slot Width	Tolerance		
Φ6~Φ7.9	2	±0.0125	1.0	+0.10	2×2	
Φ8~Φ10	3		1.4		3×3	
Φ10.1~Φ12	4	±0.0150	1.8		4×4	
Φ12.1~Φ17	5		2.3		5×5	
Φ17.1~Φ22	6		2.8		6×6	
Φ22.1~Φ30	8	±0.0180	3.3	+0.20	8×7	
Φ30.1~Φ38	10		3.3		10×8	
Φ38.1~Φ44	12	±0.0215	3.3		12×8	
Φ44.1~Φ50	14		3.8		14×9	
Φ50.1~Φ58	16		4.3		16×10	
Φ58.1~Φ65	18		4.4		18×11	

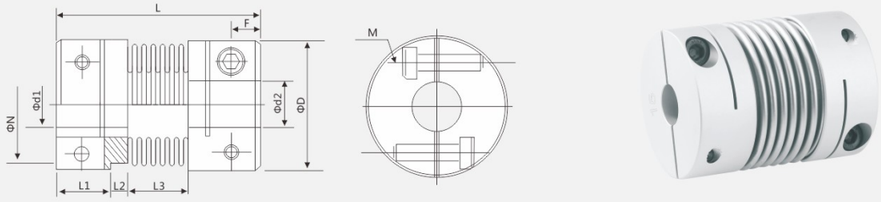
Features

> The shaft sleeve is made of aluminum alloy, and the intermediate bellows is made of stainless steel, offering excellent corrosion resistance.
> It features zero backlash and is suitable for forward and reverse rotation.
> The bellows structure more effectively compensates for radial, angular, and axial misalignment.
> Specifically designed for servo motors and stepper motors.
> Fastened by clamping screws.

Outer Diameter
Φ16~Φ40



Outer Diameter
Φ55~Φ105



Model Examples

SRC □□ × □□ - □□K□ - □□K□
Series Diameter Lenght d1Bore d2Bore

Example: SRC-20 X 32-8-10
SRC: Series
20: Diameter
32: Length
8: d1 bore
10: d2 bore
K: Keyway added (Non-standard keyway width)

Note: If an additional keyway is required, it will be treated as a non-standard custom order. Please add "K" after the shaft diameter in the model number.
Example: SRC-20 X 32-8K-10K indicates that keyways are added to both inner bores.

Outline Dimensions Table

Unit: mm

Product Model	Common d1/d2 Bore Diameter Sizes	ΦD	L	L1	L2	L3	ΦN	F	M	Tightening Torque (N.m)
SRC-16×27	4-5-6-6.35-7-8	16	27	7.5	2	8	10.6	3	M2.5	1
SRC-20×32	5-6-6.35-7-8-9-9.525-10	20	32	7.2	2.8	12	9	3.0	M3	1.5
SRC-22.5×34	5-6-6.35-7-8-9-9.525-10-11-12	22.5	34	8.05	2.8	12.3	10	3.2	M3	1.5
SRC-25×37	5-6-6.35-7-8-9-9.525-10-11-12	25	37	9.5	3	12	12	4.5	M3	1.5
SRC-32×42	8-9-9.525-10-11-12-12.7-14-15	32	42	8	4	18	17	4.5	M3	3.5
SRC-40×55	8-9-9.525-10-11-12-12.7-14-15-16-17-18-19-20	40	55	11.5	6	20	18	5.0	M5	8
SRC-55×72	10-11-12-12.7-14-15-16-17-18-19-20-22-24-25	55	72	16.5	6	27	28.75	10	M6	13
SRC-65×81	10-11-12-12.7-14-15-16-17-18-19-20-22-24-25-28-30-32-35-38	65	81	19.5	7	28	26.5	10.5	M6	13
SRC-82×103	20-22-24-25-28-30-32-35-38-40-42	82	103	25.3	8.1	36.2	35	10	M8	28
SRC-105×130	20-22-24-25-28-30-32-35-38-40-42-45-46-48-50	105	130	41.4	10.1	27.4	27	10	M10	55

Note: The inner bores at both ends of the coupling can be freely combined from the minimum to the maximum bore diameters. The bores are machined using the H7 standard tolerance. The bore sizes marked in the table are for reference only. For specific customer-required bore diameters, please contact customer service, sales representatives, or other relevant technical personnel to inquire about detailed parameters.

Technical Specifications Table

Unit: mm

Product Model	Rated Torque (N.m)	Permissible Parallel Misalignment (mm)	Permissible Angular Misalignment (∠°)	Permissible Axial Misalignment (mm)	Permissible Speed (rpm)	Static Torsional Stiffness (N.m/rad)	Moment of Inertia ($kg \cdot m^2$)	Coupling Weight (g)
SRC-16×27	0.8	0.1	1.5	+0.3-1.0	9400	150	$8.0x10^{-7}$	8
SRC-20×32	1.5	0.15	2	+0.3-1.0	7600	220	$2.2x10^{-6}$	13
SRC-22.5×34	1.8	0.15	2	+0.3-1.0	6000	300	$6.5x10^{-6}$	22
SRC-25×37	2.0	0.15	2	+0.5-1.3	6100	330	$6.9x10^{-6}$	30
SRC-32×42	2.5	0.2	2	+0.5-1.5	4700	490	$2.1x10^{-5}$	53
SRC-40×55	10	0.2	2	+0.7-1.5	4200	530	$2.3x10^{-5}$	97
SRC-55×72	22	0.2	2	+0.7-1.5	3900	860	$3.7x10^{-5}$	200
SRC-65×81	55	0.2	2	+0.7-1.5	3500	900	$3.6x10^{-5}$	380
SRC-82×103	70	0.2	2	+0.7-1.5	3500	1200	$6.0x10^{-5}$	1090
SRC-105×130	200	0.2	2	+0.8-1.8	3000	2067	$1.8x10^{-4}$	2500

Note: The moment of inertia and various technical parameters listed above are measured data based on the maximum bore diameter. The maximum rated torque value is related to the coupling's own durability. A larger outer diameter results in greater force-bearing capacity, while a smaller outer diameter allows for a higher permissible rotational speed.

CE - 01 - SFC-32x41

01	中国China
02	香港Hong Kong
03	台湾Taiwan
04	美国United States
05	新加坡Singapore
06	马来西亚Malaysia
07	越南Vietnam
08	印度India
09	印度尼西亚Indonesia
10	俄罗斯Russia
11	欧盟（德国、法国等） European Union (Germany, France, etc.)
12	韩国South Korea
13	墨西哥Mexico
14	泰国Thailand
15	巴西Brazil
16	埃及Egypt
17	日本Japan
18	中东Middle East