

Transmission

Machinery

Leading

Supplier

C O N T E N T S



DC1 Series Diaphragm /Disc Coupling

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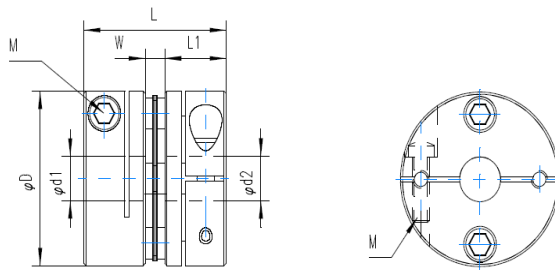
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DC1-SE Single Disc-type Coupling

Product Photo



Dimension Drawing



Material

Features

Hub	aluminum alloy anodizing treatment
Disk	SUS304

- This is a disc type flexible coupling
- Clamp type
- Identical clockwise and anti-clockwise rotational characteristics
- The stainless steel disc compensates angular misalignments and shaft end-play
- Applicable for servomotor

*Some couplings can be made of stainless steel, please contact us.

Dimensions/ Specifications

Model	Φd1 Φd2 Bore Diameter	ΦD	L	W	L1	M	Wrench Torque	Rated Torque	Max. Torque
	(mm)						(N·m)		
DC1-19SE	4~8	19	19.4	1.1	9.15	M2.5	1	1	2
DC1-26SE	5~10	26	25.6	2.6	11.5	M3	1.5	1.4	2.8
SDC1-26SE	5~10	26	23	2.6	11.5				
DC1-34SE	8~14	34	31.2	3.2	14	M4	1.5	2.8	5.6
SDC1-34SE	8~14	34	27.2	3.2	12	M3			
DC1-39SE	10~16	39	34.2	4.2	15	M4	2.5	5.8	11.6
DC1-44SE	11~19	44	34.2	4.2	15	M4	2.5	8.7	17.4
DC1-56SE	14~24	56	45.5	5.5	20	M5	7	25	50
DC1-68SE	19~35	68	54.8	6.8	24	M6	12	55	110
DC1-82SE	24~40	82	68	9	29.5	M8	16	80	160
DC1-94SE	25~40	94	68	9	29.5	M8	28	185	370
DC1-104SE	30~45	104	70	10	30	M8	28	255	510

Model	Max. Rotational Frequency	Moment of Inertia	Static Torsional Stiffness	Allowable Angular Misalignment	Allowable Axial Misalignment	Weight
	(rpm)	(kg·m ²)	(N·m/rad)	(°)	(mm)	(g)
DC1-19SE	10000	0.65×10 ⁻⁶	200	1	±0.2	12
DC1-26SE	10000	1.8×10 ⁻⁶	690	1	±0.2	24
SDC1-26SE						
DC1-34SE	10000	7.2×10 ⁻⁶	1650	1	±0.2	46
SDC1-34SE						
DC1-39SE	10000	1.8×10 ⁻⁵	2500	1	±0.2	78
DC1-44SE	10000	2.5×10 ⁻⁵	2900	1	±0.2	96
DC1-56SE	10000	1.0×10 ⁻⁴	8400	1	±0.2	206
DC1-68SE	10000	1.9×10 ⁻⁴	11500	1	±0.2	366
DC1-82SE	10000	7.0×10 ⁻⁴	14550	1	±0.2	710
DC1-94SE	10000	1.23×10 ⁻³	16900	1	±0.2	960
DC1-104SE	10000	1.86×10 ⁻³	25100	1	±0.2	1190

Notes:

- * All products come with inside hexagonal bolt.
- * Recommended tolerance for shaft diameter is h7.
- * Bore and keyway modifications are available on request., please contact us.
- * Inertia moment and weight calculated based on the maximum shaft bore.

Selection Example

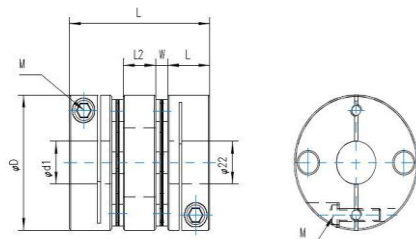
S	DC1	19	S	E	04	05
Stainless Steel	Series Number	Outside Diameter	Single Disc	Type	d1 Bore	d2 Bore

DC1-DE Double Disc-type Coupling

Product Photo



Dimension Drawing



Material

Features

Hub	aluminum alloy anodizing treatment
Disc	SUS304

- This is a disc type flexible coupling
- Clamp type
- High Torsional Stiffness, High Torque, Zero Backlash
- The double stainless steel disc compensate angular misalignments and shaft end-play
- Identical clockwise and anti-clockwise rotational characteristics
- Applicable for servomotor

*Some couplings can be made of stainless steel, please contact us.

Dimensions/ Specifications

Model	Φd1 Φd2 Bore Diameter	ΦD	L	W	L1	L2	M	Wrench Torque	Rated Torque	Max. Torque
(mm)							(N·m)			
DC1-19DE	4~8	19	26	1.1	9.15	5.5	M2.5	1	1	2
DC1-26DE	5~10	26	35.2	2.6	11.5	7.0	M3	1.5	1.4	2.8
SDC1-26DE			32.6	2.6	10.2	7.0				
DC1-34DE	8~14	34	45.0	3.2	14.0	10.6	M4	1.5	2.8	5.6
SDC1-34DE			37.4	3.2	12.0	7.0	M3			
DC1-39DE	10~16	39	46.0	4.2	15.0	10.6	M4	2.5	5.8	11.6
DC1-44DE	11~19	44	49.9	4.2	15.0	11.5	M4	2.5	8.7	17.4
DC1-56DE	14~24	56	64.0	5.5	20.0	13.0	M5	7.0	25.0	50.0
DC1-68DE	19~35	68	75.6	6.8	24.0	14.0	M6	12.0	55.0	110.0
DC1-82DE	24~40	82	99.0	9.0	29.5	22.0	M8	16.0	80.0	160.0
DC1-94DE	25~40	94	99.0	9.0	29.5	22.0	M8	28.0	185.0	370.0
DC1-104DE	30~45	104	102.0	10.0	30.0	22.0	M8	28.0	255.0	510.0

Model	Max. Rotational Frequency	Moment of Inertia	Static Torsional Stiffness	Allowable Radial Misalignment	Allowable Angular Misalignment	Allowable Axial Misalignment	Weight
	(rpm)	(kg·m ²)	(N·m/rad)	(mm)	(°)	(mm)	(g)
DC1-19DE	10000	0.9×10 ⁻⁶	170	0.04	1.5	±0.4	16
DC1-26DE	10000	3.3×10 ⁻⁶	950	0.04	1.5	±0.4	34
SDC1-26DE							
DC1-34DE	10000	8.9×10 ⁻⁶	1960	0.04	1.5	±0.4	70
SDC1-34DE							
DC1-39DE	10000	2.4×10 ⁻⁵	4500	0.04	1.5	±0.4	118
DC1-44DE	10000	3.2×10 ⁻⁵	5100	0.04	1.5	±0.4	142
DC1-56DE	10000	1.1×10 ⁻⁴	10500	0.04	1.5	±0.4	296
DC1-68DE	10000	2.8×10 ⁻⁴	18500	0.04	1.5	±0.4	544
DC1-82DE	10000	1.0×10 ⁻³	21800	0.04	1.5	±0.4	1020
DC1-94DE	10000	1.76×10 ⁻³	84500	0.04	1.5	±0.4	1210
DC1-104DE	10000	1.86×10 ⁻³	125500	0.04	1.5	±0.4	1460

Notes:

- * All products come with inside hexagonal bolt.
- * Recommended tolerance for shaft diameter is h7.
- * Bore and keyway modifications are available on request., please contact us.
- * Inertia moment and weight calculated based on the maximum shaft bore.

Selection Example

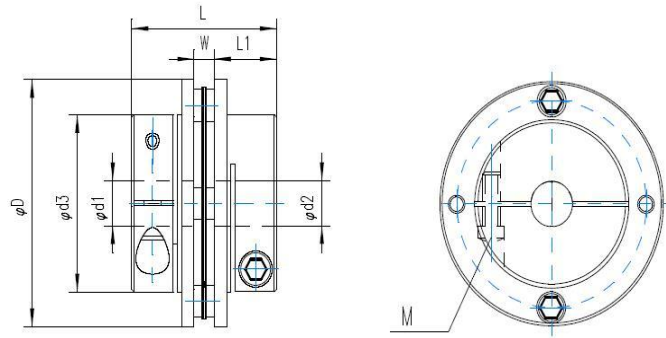
S	DC1	19	D	E	04	05
Stainless Steel	Series Number	Outside Diameter	Double Disc	Type	d1 Bore	d2 Bore

DC1-SR Disc-type Coupling

Product Photo



Dimension Drawing



Material

Features

Hub	aluminum alloy anodizing treatment
Disc	SUS304

- This is a disc type flexible coupling
- Clamp type
- High Torsional Stiffness, High Torque, Zero Backlash
- Identical clockwise and anti-clockwise rotational characteristics
- The stainless steel disc absorbs angular misalignment and shaft end-play
- Applicable for servomotor

Dimensions/ Specifications

Model	Φd1 Φd2 Bore Diameter	ΦD	L	Φd3	W	L1	M	Wrench Torque	Rated Torque	Max. Torque
	(mm)							(N·m)		
DC1-34SR	6~9	34	26.9	21.6	2.9	12	M3	1.5	2.8	5.6
DC1-44SR	10~14	44	34.2	29.6	4.2	15	M4	3.4	8.7	17.4
DC1-56SR	14~20	56	45.2	38.0	5.2	20	M5	7.0	25.0	50.0
DC1-68SR	15~25	68	54.5	46.0	6.5	24	M6	14.0	55.0	110.0
DC1-82SR	20~30	82	68.5	54.5	8.5	30	M8	25.0	80.0	160.0

Model	Max.Rotational Frequency	Moment of Inertia	Static Torsional Stiffness	Allowable Angular Misalignment	Allowable Axial Misalignment	Weight
	(rpm)	(kg·m ²)	(N·m/rad)	(°)	(mm)	(g)
DC1-34SR	6000	3.8×10 ⁻⁶	1500	1	±0.15	38
DC1-44SR	6000	14.5×10 ⁻⁶	3000	1	±0.15	84
DC1-56SR	6000	48.5×10 ⁻⁶	4200	1	±0.15	132
DC1-68SR	6000	126×10 ⁻⁶	6500	1	±0.15	232
DC1-82SR	6000	565×10 ⁻⁶	8600	1	±0.15	420

Notes:

- * All products come with inside hexagonal bolt.
- * Recommended tolerance for shaft diameter is h7.
- * Bore and keyway modifications are available on request., please contact us.
- * Inertia moment and weight calculated based on the maximum shaft bore.

Selection Example

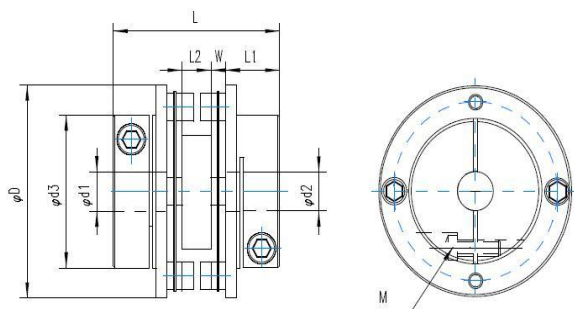
DC1	34	S	R	05	06
Series Number	Outside Diameter	Single Disc	Type	d1 Bore	d2 Bore

DC1-DR Disc-type Coupling

Product Photo



Dimension Drawing



Material

Hub	aluminum alloy anodizing treatment
Disc	SUS304

Features

- This is a disc type flexible coupling
- Clamp type
- Identical clockwise and anti-clockwise rotational characteristics
- The double stainless steel disc absorbs angular misalignment and shaft end-play
- Applicable for servomotor

Dimensions/ Specifications

Model	Φd1 Φd2 Bore Diameter	ΦD	L	Φd3	W	L1	M	Wrench Torque	Rated Torque	Max. Torque
	(mm)							(N·m)		
DC1-34DR	6~9	34	37	21.6	3	12	M3	1.5	2.8	5.6
DC1-44DR	10~14	44	47	29.6	4	15	M4	3.4	8.7	17.4
DC1-56DR	14~20	56	61	38.0	5	20	M5	7.0	25.0	50.0
DC1-68DR	15~25	68	74	46.0	6	24	M6	14.0	55.0	110.0
DC1-82DR	20~30	82	98	56.0	8	30	M8	25.0	80.0	160.0

Model	Max. Rotational Frequency	Moment of Inertia	Static Torsional Stiffness	Allowable Radial Misalignment	Allowable Angular Misalignment	Allowable Axial Misalignment	Weight
	(rpm)	(kg·m ²)	(N·m/rad)	(mm)	(°)	(mm)	(g)
DC1-34DR	6000	6.5×10 ⁻⁶	1300	0.02	2	±0.3	46
DC1-44DR	6000	25.4×10 ⁻⁶	2800	0.02	2	±0.3	98
DC1-56DR	6000	82.5×10 ⁻⁶	4000	0.02	2	±0.3	194
DC1-68DR	6000	225×10 ⁻⁶	6200	0.02	2	±0.3	376
DC1-82DR	6000	985×10 ⁻⁶	8300	0.02	2	±0.3	640

Notes:

- * All products come with inside hexagonal bolt.
- * Recommended tolerance for shaft diameter is h7.
- * Bore and keyway modifications are available on request., please contact us.
- * Inertia moment and weight calculated based on the maximum shaft bore.

Selection Example

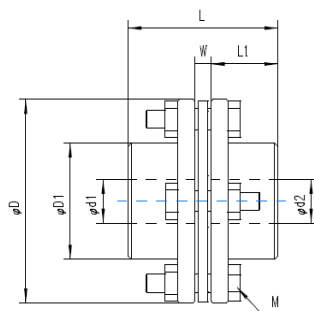
DC1	34	D	R	06	07
Series Number	Outside Diameter	Double Disc	Type	d1 Bore	d2 Bore

DC1-SJ Disc-type Coupling

Product Photo



Dimension Drawing



Material

Hub	S45C, Black finish
Disc	SUS304

Features

- Using keyway connection disk-type coupling
- Zero backlash, excellent response and high torque capacity
- Identical clockwise and anti-clockwise rotational characteristics
- The stainless steel disk allows the eccentricity, angular misalignment and end-play
- Applicable for servomotor, stepmotor

Dimensions/ Specifications

Model	Φd1 Φd2 Bore Diameter	ΦD	ΦD1	L	L1	W	M	Rated Torque	Max. Torque
	(mm)							(N·m)	
DC1-56SJ	8~20	56	32	45	20	5	M5	25	50
DC1-68SJ	11~25	68	40	56	25	6	M6	55	110
DC1-82SJ	14~35	82	54	66	30	6	M6	80	160
DC1-94SJ	14~38	94	58	68	30	8	M8	170	340
DC1-104SJ	19~42	104	68	80	35	10	M8	240	480
DC1-126SJ	22~50	126	78	91	40	11	M10	420	840
DC1-144SJ	30~60	144	88	102	45	12	M12	700	1400

Model	Max. Rotational Frequency	Moment of Inertia	Static Torsional Stiffness	Allowable Radial Misalignment	Allowable Angular Misalignment	Allowable Axial Misalignment	Weight
	(rpm)	(kg·m ²)	(N·m/rad)	(mm)	(°)	(mm)	(g)
DC1-56SJ	20000	0.1×10 ⁻³	15×10 ³	0.02	1	±0.5	300
DC1-68SJ	15000	0.28×10 ⁻³	28×10 ³	0.02	1	±0.8	500
DC1-82SJ	14000	0.85×10 ⁻³	81×10 ³	0.02	1	±1.0	1000
DC1-94SJ	11000	1.5×10 ⁻³	165×10 ³	0.02	1	±1.0	1400
DC1-104SJ	9800	2.4×10 ⁻³	240×10 ³	0.02	1	±1.0	2100
DC1-126SJ	8000	6.3×10 ⁻³	410×10 ³	0.02	1	±1.0	3400
DC1-144SJ	6800	9.2×10 ⁻³	760×10 ³	0.02	1	±1.0	4900

Notes:

- * Recommended tolerance for shaft diameter is h7.
- * Bore and keyway modifications are available on request., please contact us.
- * Inertia moment and weight calculated based on the maximum shaft bore.

Selection Example

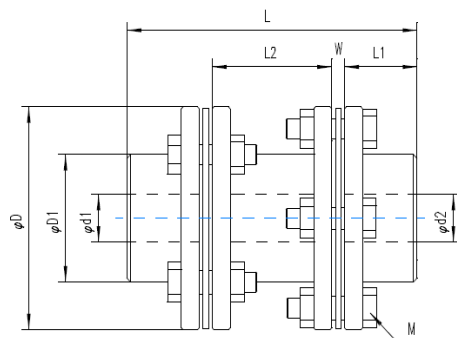
DC1	56	S	J	08	08
Series Number	Outside Diameter	Single Disc	Type	d1 Bore	d2 Bore

DC1-DJ Disc-type Coupling

Product Photo



Dimension Drawing



Material

Features

Body	S45C, Black finish
Disc	SUS304

- Using keyway connection disk-type coupling
- Zero backlash, excellent response and high torque capacity
- Identical clockwise and anti-clockwise rotational characteristics
- The stainless steel disc allows the eccentricity, angular misalignment and end-play
- Applicable for servomotor , stepmotor

Dimensions/ Specifications

Model	Φd1 Φd2 Bore Diameter	ΦD	ΦD1	L	L1	L2	W	M	Rated Torque	Max. Torque
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)		(N·m)	(N·m)
DC1-56DJ	8~20	56	32	74	20	24	5	M5	25	50
DC1-68DJ	11~25	68	40	86	25	24	6	M6	55	110
DC1-82DJ	14~35	82	54	98	30	26	6	M6	80	160
DC1-94DJ	14~38	94	58	106	30	30	8	M8	170	340
DC1-104DJ	19~42	104	68	120	35	30	10	M8	240	480
DC1-126DJ	22~50	126	78	140	40	38	11	M10	420	840
DC1-144DJ	30~60	144	88	160	45	46	12	M12	700	1400

Model	Max.Rotational Frequency	Moment of Inertia	Static Torsional Stiffness	Allowable Radial Misalignment	Allowable Angular Misalignment	Allowable Axial Misalignment	Weight
	(rpm)	(kg·m ²)	(N·m/rad)	(mm)	(°)	(mm)	(g)
DC1-56DJ	15000	0.19×10 ⁻³	7.5×10 ³	0.04	1.5	±1.0	500
DC1-68DJ	14000	0.54×10 ⁻³	13×10 ³	0.04	1.5	±1.5	900
DC1-82DJ	11000	1.6×10 ⁻³	39×10 ³	0.04	1.5	±2.0	1700
DC1-94DJ	9500	2.8×10 ⁻³	78×10 ³	0.04	1.5	±2.0	2400
DC1-104DJ	8800	4.6×10 ⁻³	115×10 ³	0.04	1.5	±2.0	3300
DC1-126DJ	6800	11.9×10 ⁻³	200×10 ³	0.04	1.5	±2.0	5800
DC1-144DJ	6000	18.2×10 ⁻³	350×10 ³	0.04	1.5	±2.0	8600

Notes:

- * Recommended tolerance for shaft diameter is h7.
- * Bore and keyway modifications are available on request., please contact us.
- * Inertia moment and weight calculated based on the maximum shaft bore.

Selection Example

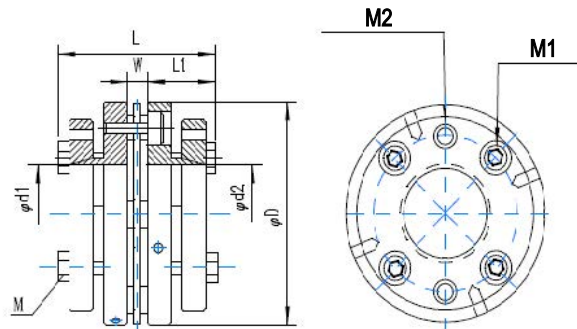
DC1	56	D	J	08	08
Series Number	Outside Diameter	Double Disc	Type	d1 Bore	d2 Bore

DC1-SZ Disc-type Coupling

Product Photo



Dimension Drawing



Material

Features

Hub	S45C, Black finish
Disc	SUS304

- Using locking assembly connection disk-type coupling
- Zero backlash, excellent response and high torque capacity
- Identical clockwise and anti-clockwise rotational characteristics
- The stainless steel disc allows the eccentricity, angular misalignment and end-play
- Applicable for servomotor, stepmotor

Dimensions/ Specifications

Model	Φd1 Φd2 Bore Diameter	ΦD	L	L1	W	M	M1	M2	Rated Torque	Max. Torque
	(mm)								(N·m)	
DC1-70SZ	18-32	70	65.1	29.0	7.1	M6	4-M6	2-M6	70	140
DC1-80SZ	18-35	80	71	31.0	9.0	M8	4-M6	2-M6	125	250
DC1-90SZ	28-48	90	71	31.0	9.0	M8	6-M6	3-M6	180	360
DC1-100SZ	32-55	100	71	31.0	9.0	M8	6-M6	3-M6	280	560
DC1-126SZ	38-65	126	100	44.5	11.0	M10	6-M6	3-M6	450	900
DC1-144SZ	45-75	144	118	53.0	12.0	M12	6-M8	3-M8	760	1520

Model	Max.Rotational Frequency	Moment of Inertia	Static Torsional Stiffness	Allowable Radial Misalignment	Allowable Angular Misalignment	Allowable Axial Misalignment	Weight
	(rpm)	(kg·m ²)	(N·m/rad)	(mm)	(°)	(mm)	(g)
DC1-70SZ	17000	0.65×10 ⁻³	58×10 ³	0.02	0.5	±0.5	950
DC1-80SZ	16000	1.0×10 ⁻³	62×10 ³	0.02	0.5	±0.5	1240
DC1-90SZ	14000	2.0×10 ⁻³	140×10 ³	0.02	0.5	±0.5	1650
DC1-100SZ	12000	2.95×10 ⁻³	160×10 ³	0.02	0.5	±0.5	1800
DC1-126SZ	10000	6.35×10 ⁻³	450×10 ³	0.02	0.5	±0.5	4042
DC1-144SZ	8000	11.33×10 ⁻³	785×10 ³	0.02	0.5	±0.5	4502

Notes:

- * Recommended tolerance for shaft diameter is h7.
- * Bore and keyway modifications are available on request., please contact us.
- * Inertia moment and weight calculated based on the maximum shaft bore.

Selection Example

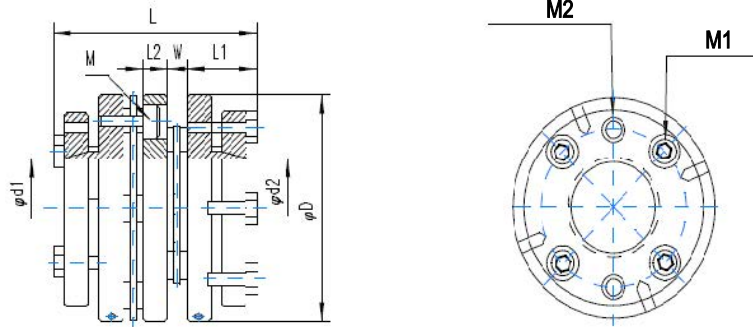
DC1	70	S	Z	18	19
Series Number	Outside Diameter	Single Disc	Type	d1 Bore	d2 Bore

DC1-DZ Disc-type Coupling

Product Photo



Dimension Drawing



Material

Features

Hub	S45C, Black finish
Disc	SUS304

- Using locking assembly connection disk-type coupling
- Zero backlash, excellent response and high torque capacity
- Identical clockwise and anti-clockwise rotational characteristics
- The stainless steel disc allows the eccentricity, angular misalignment and end-play
- Applicable for servomotor , stepmotor

Dimensions/ Specifications

Model	Φd1 Φd2 Bore Diameter	ΦD	L	L1	L2	W	M	M1	M2	Rated Torque	Max. Torque
	(mm)										(N·m)
DC1-70DZ	18~32	70	80.2	29	8	7.1	M6	4-M6	2-M6	70	140
DC1-80DZ	22~35	80	90	31	10	9	M8	4-M6	2-M6	125	250
DC1-90SZ	28~48	90	90	31	10	9	M8	6-M6	3-M6	180	360
DC1-100SZ	32~55	100	90	31	10	9	M8	6-M6	3-M6	280	560
DC1-126SZ	38~65	126	125	35.5	14	11	M10	6-M6	3-M6	450	900
DC1-144SZ	45~75	144	144	42	14	12	M12	6-M8	3-M8	760	1520

Model	Max.Rotational Frequency	Moment of Inertia	Static Torsional Stiffness	Allowable Radial Misalignment	Allowable Angular Misalignment	Allowable Axial Misalignment	Weight
	(rpm)	(kg·m ²)	(N·m/rad)	(mm)	(°)	(mm)	(g)
DC1-70DZ	13000	0.81×10 ⁻³	30×10 ³	0.02	1	±1.0	1150
DC1-80DZ	11000	1.32×10 ⁻³	32×10 ³	0.03	1	±1.0	1580
DC1-90SZ	10000	2.56×10 ⁻³	68×10 ³	0.03	1	±1.0	1980
DC1-100SZ	8000	3.68×10 ⁻³	79×10 ³	0.03	1	±1.0	2260
DC1-126SZ	10000	7.95×10 ⁻³	216×10 ³	0.02	1	±1.0	4300
DC1-144SZ	8000	16.7×10 ⁻³	380×10 ³	0.02	1	±1.0	6200

Notes:

- * Recommended tolerance for shaft diameter is h7.
- * Bore and keyway modifications are available on request., please contact us.
- * Inertia moment and weight calculated based on the maximum shaft bore.

Selection Example

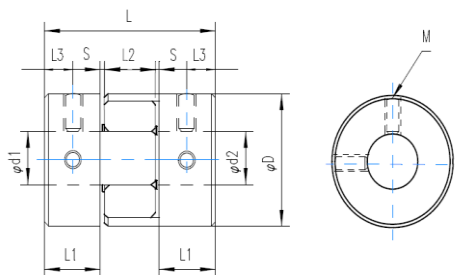
DC1	70	D	Z	18	19
Series Number	Outside Diameter	Single Disc	Type	d1 Bore	d2 Bore

JSC2-R Jaw Coupling

Product Photo



Dimension Drawing



Material

Hub	Aluminum alloy Anodizing treatment
Elastomer	Polyurethane

Features

- Set screw type
- High Torque, Zero Backlash
- It can absorb torsional vibration, radial, angular misalignment and shaft end-play
- Oil-resistance and electrical insulation
- Identical clockwise and anti-clockwise rotational characteristics
- Usable temperature : -40℃~100℃
- Applicable for servomotor, stepmotor

Dimensions/ Specifications

Model	$\phi d1$ $\phi d2$ Bore Diameter	ϕD	L	L1	L2	S	L3	M	Wrench Torque	Rated Torque	Max. Torque
(mm)								(N·m)			
JSC2-14R	2~6	14	22	7	6	1.0	3.5	M3	1.0	1.1	2.2
JSC2-20R	4~8	20	30	10	8	1.0	5	M3	1.3	2.8	5.6
JSC2-25R	4~12	25	34	11	10	1.0	5	M3	1.5	6.0	12.0
JSC2-30R	8~14	30	35	11	10	1.5	5	M4	1.7	6.5	13.0
JSC2-40R	14~22	40	66	25	12	2.0	10	M5	4.0	32.0	64
JSC2-55R	14~28	55	78	30	14	2.0	10	M6	4.0	46.0	92
JSC2-65R	19~35	65	90	35	15	2.5	15	M8	15.0	109	218
JSC2-80R	24~45	80	114	45	18	3.0	15	M8	15.0	135	270
JSC2-95R	30~55	95	126	50	20	3.0	20	M8	15.0	260	520
JSC2-105R	35~60	105	140	56	21	3.5	20	M8	15.0	430	860

Model	Max. Rotational Frequency	Moment of Inertia	Static Torsional Stiffness	Allowable Radial Misalignment	Allowable Angular Misalignment	Allowable Axial Misalignment	Weight
	(rpm)	(kg·m ²)	(N·m/rad)	(mm)	(°)	(mm)	(g)
JSC2-14R	19000	5.9×10^{-4}	46	0.02	1	+0.600	26
JSC2-20R	17000	6.7×10^{-4}	55	0.02	1	+0.600	37
JSC2-25R	16000	7.6×10^{-4}	63	0.02	1	+0.600	42
JSC2-30R	15000	8.5×10^{-4}	72	0.02	1	+0.600	46
JSC2-40R	13000	1.1×10^{-3}	550	0.02	1	+0.600	148
JSC2-55R	10500	4.4×10^{-3}	1500	0.02	1	+0.600	350
JSC2-65R	8300	9.0×10^{-3}	2800	0.02	1	+0.600	572
JSC2-80R	7000	1.8×10^{-2}	3500	0.02	1	+0.600	950
JSC2-95R	6000	2.0×10^{-2}	4600	0.02	1	+0.600	1800
JSC2-105R	5500	3.2×10^{-2}	5800	0.02	1	+0.600	2400

Notes:

- * All products come with inside hexagonal bolt.
- * Recommended tolerance for shaft diameter is h7.
- * Bore and keyway modifications are available on request., please contact us.
- * Inertia moment and weight calculated based on the maximum shaft bore.

Selection Example

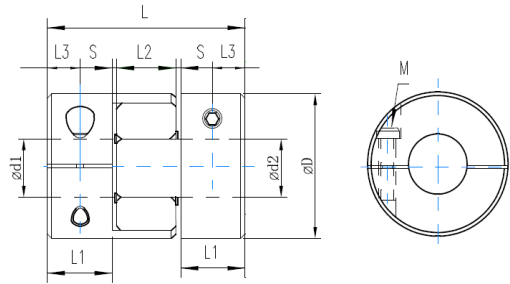
JSC2	14	R	02	03
Series Number	Outside Diameter	Type	d1 Bore	d2 Bore

JSC2-RC Jaw Coupling

Product Photo



Dimension Drawing



Material

Hub	Aluminum alloy anodizing treatment
Elastomer	Polyurethane

Features

- Clamp type
- High Torque - Zero Backlash
- It can absorb torsional vibration, radial, angular misalignment and shaft end-play
- Oil-resistance and electrical insulation
- Identical clockwise and anti-clockwise rotational characteristics
- Usable temperature : -40℃~100℃
- Applicable for servomotor, stepmotor

Dimensions/ Specifications

Model	Φd1 Φd2 Bore Diameter	ΦD	L	L1	L2	S	L3	M	Wrench Torque	Rated Torque	Max. Torque
	(mm)								(N·m)		
JSC2-14RC	2~6	14	22	7	6	1.0	3.5	M2.5	1.0	1.1	2.2
JSC2-20RC	4~8	20	30	10	8	1.0	5.0	M3	1.3	2.8	5.6
JSC2-25RC	4~12	25	34	11	10	1.0	5.0	M3	1.5	6	12
JSC2-30RC	8~14	30	35	11	10	1.5	5.0	M4	1.7	6.5	13
JSC2-40RC	14~22	40	55	25	12	2.0	10	M5	8.0	32	64
JSC2-55RC	14~28	55	78	30	14	2.0	11	M6	8.0	46	92
JSC2-65RC	19~35	65	90	35	15	2.5	12	M8	15	109	218
JSC2-80RC	24~45	80	114	45	18	3.0	16	M8	15	135	270
JSC2-95RC	30~55	95	126	50	20	3.0	18	M10	25	260	520
JSC2-105RC	35~60	105	140	56	21	3.5	21	M12	35	430	860

Model	Max. Rotational Frequency	Moment of Inertia	Static Torsional Stiffness	Allowable Radial Misalignment	Allowable Angular Misalignment	Allowable Axial Misalignment	Weight
	(rpm)	(kg·m ²)	(N·m/rad)	(mm)	(°)	(mm)	(g)
JSC2-14RC	19000	5.9×10 ⁻⁴	46	0.02	1	+0.600	26
JSC2-20RC	17000	6.7×10 ⁻⁴	55	0.02	1	+0.600	37
JSC2-25RC	16000	7.6×10 ⁻⁴	63	0.02	1	+0.600	42
JSC2-30RC	12000	8.5×10 ⁻⁴	72	0.02	1	+0.600	50
JSC2-40RC	10000	1.1×10 ⁻³	550	0.02	1	+0.600	156
JSC2-55RC	8000	4.4×10 ⁻³	1500	0.02	1	+0.600	362
JSC2-65RC	6000	9.0×10 ⁻³	2800	0.02	1	+0.600	582
JSC2-80RC	4600	1.8×10 ⁻²	3500	0.02	1	+0.600	966
JSC2-95RC	3800	2.0×10 ⁻²	4600	0.02	1	+0.600	1820
JSC2-105RC	3400	3.2×10 ⁻²	5800	0.02	1	+0.600	2430

Notes:

- 1) All products come with inside hexagonal bolt.
- 2) Recommended tolerance for shaft diameter is h7.
- 3) Bore and keyway modifications are available on request., please contact us.
- 4) Inertia moment and weight calculated based on the maximum shaft bore.

Selection Example

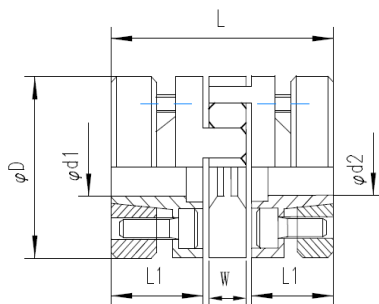
JSC2	14	R	C	02	03
Series Number	Outside Diameter	Type	Clamp type	d1 Bore	d2 Bore

JSC2-ZT Jaw Coupling

Product Photo



Dimension Drawing



Material

Hub	Aluminum Alloy , S45C
Elastomer	Polyurethane

Features

- Using locking assembly connection curved jaw coupling
- Zero Backlash, Excellent response and high transmitted torque
- It can absorb torsional vibration, radial, angular misalignment and shaft end-play
- Identical clockwise and anti-clockwise rotational characteristics
- Applicable for servomotor, stepmotor

Dimensions/ Specifications

Model	Φd1 Φd2 Bore Diameter	ΦD	L	L1	W	M	Wrench Torque	Rated Torque	Max. Torque
(mm)							(N·m)		
JSC2-30ZT	8~14	30	50	18.5	13	M3(4)	1.3	7.4	14.8
JSC2-40ZT	11~20	40	66	25	16	M4(6)	2.7	9.5	19
JSC2-55ZT	14~28	55	78	30	18	M5(4)	6.0	34	68
JSC2-65ZT	19~38	65	90	35	20	M5(8)	6.0	95	190
JSC2-80ZT	24~45	80	114	45	24	M6(8)	10	135	270
JSC2-95ZT	30~50	95	126	50	26	M8(4)	35	230	460
JSC2-105ZT	35~60	105	140	56	28	M8(4)	35	380	760

Model	Max. Rotational Frequency	Moment of Inertia	Static Torsional Stiffness	Allowable Radial Misalignment	Allowable Angular Misalignment	Allowable Axial Misalignment	Weight
	(rpm)	(kg·m ²)	(N·m/rad)	(mm)	(°)	(mm)	(g)
JSC2-30ZT	20000	8.7×10^{-4}	510	0.02	1	+0.6	50
JSC2-40ZT	15000	1.12×10^{-3}	550	0.02	1	+0.8	120
JSC2-55ZT	13000	4.5×10^{-3}	1510	0.02	1	+0.8	280
JSC2-65ZT	10500	9.1×10^{-3}	2800	0.02	1	+0.8	450
JSC2-80ZT	8600	1.9×10^{-2}	3600	0.02	1	+1.0	960
JSC2-95ZT	7500	2.2×10^{-2}	4700	0.02	1	+1.0	2310
JSC2-105ZT	6000	3.3×10^{-2}	5800	0.02	1	+1.0	3090

Notes:

- * Recommended tolerance for shaft diameter is h7.
- * Bore and keyway modifications are available on request., please contact us.
- * Inertia moment and weight calculated based on the maximum shaft bore.

Selection Example

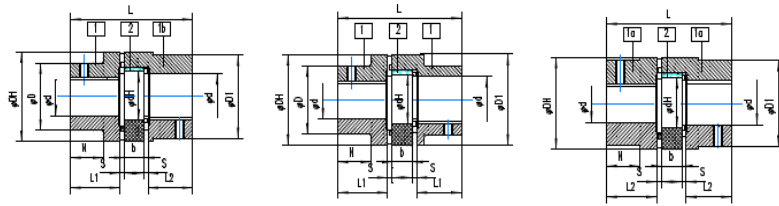
JSC2	30	ZT	08	09
Series Number	Outside Diameter	Type	d1 Bore	d2 Bore

RCS Resilient Coupling with Spider

Product Photo



Dimension Drawing



Material

Features

Hub	S45C
Elastomer	Polyurethane

- Steel body of couplings is suitable for big torque transmitting
- Outstanding absorbing shock, torsional vibration; Low inertia
- Excellent electrical insulation

Dimensions/ Specifications

Model	Part	Elastomer Rated Torque			Dimensions										Moment of Inertia	Weight
		92SH A	98SH A	64SH D	Bore Diameter d (min~max)	L	L1, L2	E	b	s	N	D _H	D, D ₁	d _H		
		(N·m)			(mm)										(kg·cm ²)	(kg)
RCS-19	1a	10	17	21	0~25	66	25	16	12	2.0	-	40	40	18	0.48	0.18
	1b					90	37								0.68	0.23
RCS-24	1a	35	60	75	0~35	78	30	18	14	2.0	-	55	55	27	1.99	0.37
	1b					118	50								3.16	0.59
RCS-28	1a	95	160	200	0~40	90	35	20	15	2.5	-	65	65	30	4.58	0.64
	1b					140	60								7.50	1.02
RCS-38	1	190	325	405	0~48	114	45	24	18	3.0	27	80	70	38	10.14	1.01
	1b					164	70						80		20.1	1.84
RCS-42	1	265	450	560	0~55	126	50	26	20	3.0	28	95	85	46	24.63	1.56
	1b					176	75						95		44.75	2.92
RCS-48	1	310	525	655	0~62	140	56	28	21	3.5	32	105	95	51	40.43	2.15
	1b					188	80						105		69.88	4.05
RCS-55	1	410	685	825	0~74	160	65	30	22	4.0	37	120	110	60	79.64	3.25
	1b					210	90						120		130.82	6.10
RCS-65	1	625	940	1175	0~80	185	75	35	26	4.5	47	135	115	68	127.38	4.96
	1b					235	100						135		239.72	8.91
RCS-75	1	1280	1920	2400	0~95	210	85	40	30	5.0	53	160	135	80	276.50	7.82
	1b					260	110						160		517.55	14.01
RCS-90	1	2400	3600	4500	0~110	245	100	45	34	5.5	62	200	160	100	768.89	13.40
	1b					295	125						200		1495.65	25.01

Notes:

* Recommended tolerance for shaft diameter is h7. The tolerance for keyway width meet DIN6885/1: JS9 Standard.

* Bore and keyway modifications are available on request, please contact us.

* Moment of inertia and mass figures based on maximum shaft bores

* Max. Torque = Rated torque (T Kmax = T Kn×2)

Selection Example

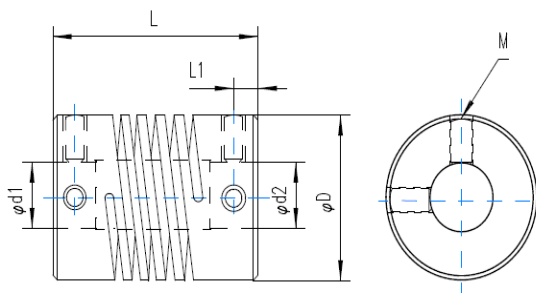
RCS-19	25	25	St	Al
Type Number	d1 Bore	d2 Bore	S45C	Aluminum Alloy

FC5-E Spiral-type Coupling

Product Photo



Dimension Drawing



Material

Features

Hub	aluminum alloy /stainless steel
-----	------------------------------------

- One-piece metallic flexible coupling
- Setscrew type
- Zero backlash, maintainanc-free, super strong oil resistance and corrosion resistance
- The flexing action compensates parallel, angular misalignments and shaft end-play
- Identical clockwise and anti-clockwise rotational characteristics
- Applicable for encoder

Dimensions/ Specifications

Model	$\Phi d1$ $\Phi d2$ Bore Diameter	ΦD	L	L1	M	Wrench Torque	Rated Torque	Max. Torque
(mm)					(N·m)			
FC5-16E	3~6.35	16	20	2.55	M3	0.7	0.5	1
SFC5-16E							1	2
FC5-18E	5~10	18	25	3.55	M4	1.7	1.4	2.8
SFC5-18E							2.2	4.4
FC5-25E	6~12.7	25	30	3.60	M4	1.7	1.6	3.2
SFC5-25E							3.1	6.2
FC5-32E	8~15	32	40	4.15	M4	3.8	4.2	8.4
SFC5-32E							7.5	15
FC5-40E	12~19	40	50	5.25	M5	4.0	9	18
SFC5-40E							14	28

Model	Max.Rotational Frequency	Moment of Inertia	Static Torsional Stiffness	Allowable Radial Misalignment	Allowable Angular Misalignment	Allowable Axial Misalignment	Weight
	(rpm)	(kg·m ²)	(N·m/rad)	(mm)	(°)	(mm)	(g)
FC5-16E	10000	6.9×10^{-7}	110	0.10	1.50	±0.15	4
SFC5-16E		2.2×10^{-6}	230	0.10	2.00	±0.15	8
FC5-18E	10000	2.8×10^{-6}	170	0.10	1.50	±0.15	18
SFC5-18E		7×10^{-6}	320	0.10	2.00	±0.15	32
FC5-25E	8000	5.1×10^{-6}	260	0.10	2.00	±0.15	66
SFC5-25E		2.3×10^{-5}	790	0.10	2.00	±0.15	138
FC5-32E	8000	2.1×10^{-5}	560	0.10	2.00	±0.15	272
SFC5-32E		8.3×10^{-5}	980	0.10	2.00	±0.15	530
FC5-40E	6000	9.0×10^{-5}	560	0.15	1.50	±0.15	14
SFC5-40E		2.7×10^{-4}	1450	0.10	2.00	±0.15	26

Notes:

- * Recommended tolerance for shaft diameter is h7.
- * Bore and keyway modifications are available on request., please contact us.
- * Inertia moment and weight calculated based on the maximum shaft bore.

Selection Example

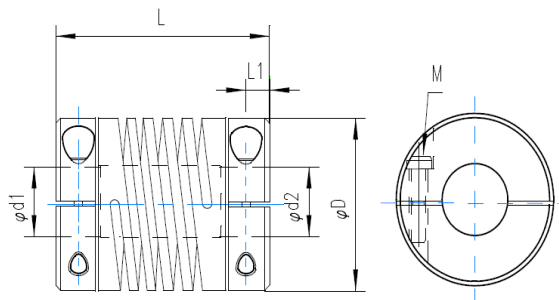
S	FC5	16	E	04	05
Stainless Steel	Series Number	Outside Diameter	Type	d1 Bore	d2 Bore

FC5-EC Spiral-type Coupling

Product Photo



Dimension Drawing



Material

Features

Hub	aluminum alloy /stainless steel
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- One-piece metallic flexible coupling
- Clamp type
- Zero backlash, maintenance-free, super strong oil resistance and corrosion resistance
- The flexing action compensates parallel, angular misalignments and shaft end-play
- Identical clockwise and anti-clockwise rotational characteristics
- Applicable for encoder

Dimensions/ Specifications

Model	Φd1 Φd2 Bore Diameter	ΦD	L	L1	M	Wrench Torque	Rated Torque	Max. Torque
(mm)					(N·m)			
FC5-16EC	3~6.35	16	22	3.10	M2.5	1.0	0.5	1.0
SFC5-16EC							1.0	2.0
FC5-18EC	5~10	18	25	4.15	M3	1.5	1.4	2.8
SFC5-18EC							2.2	4.4
FC5-25EC	6~12.7	25	30	5.00	M4	2.0	1.6	3.2
SFC5-25EC							3.1	6.2
FC5-32EC	8~15	32	40	5.90	M4	4	4.2	8.4
SFC5-32EC							7.5	15
FC5-40EC	12~19	40	50	6.70	M5	7.5	9.0	18
SFC5-40EC							14.0	28

Model	Max. Rotational Frequency	Moment of Inertia	Static Torsional Stiffness	Allowable Radial Misalignment	Allowable Angular Misalignment	Allowable Axial Misalignment	Weight
	(rpm)	(kg·m ²)	(N·m/rad)	(mm)	(°)	(mm)	(g)
FC5-16EC	8000	9.0×10 ⁻⁷	110	0.1	2	±0.15	14
SFC5-16EC		2.4×10 ⁻⁶	230	0.1	2	±0.15	40
FC5-18EC	6000	2.5×10 ⁻⁶	170	0.1	2	±0.15	32
SFC5-18EC		7.3×10 ⁻⁶	320	0.1	2	±0.15	96
FC5-25EC	5000	8.9×10 ⁻⁶	260	0.1	2	±0.15	46
SFC5-25EC		2.6×10 ⁻⁵	790	0.1	2	±0.15	134
FC5-32EC	4500	3.2×10 ⁻⁵	330	0.1	2	±0.15	92
SFC5-32EC		8.6×10 ⁻⁵	980	0.1	2	±0.15	268
FC5-40EC	4500	9.8×10 ⁻⁵	560	0.1	2	±0.15	136
SFC5-40EC		3.0×10 ⁻⁴	1450	0.1	2	±0.15	392

Notes:

* Recommended tolerance for shaft diameter is h7.

* Bore and keyway modifications are available on request., please contact us.

* Inertia moment and weight calculated based on the maximum shaft bore.

Selection Example

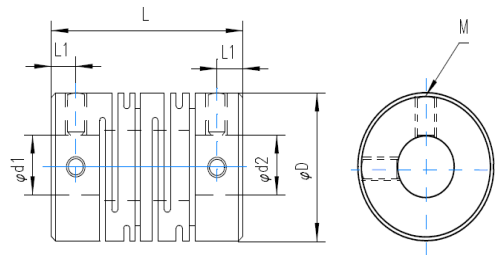
S	FC5	16	E	C	04	05
Stainless Steel	Series Number	Outside Diameter	Type	Clamp type	d1 Bore	d2 Bore

FC5-R Parallel-type Coupling

Product Photo



Dimension Drawing



Material

Features

Hub	aluminum alloy /stainless steel
-----	------------------------------------

- One-piece metallic flexible coupling
- Setscrew type
- Zero backlash, maintenanc-free, super strong oil resistance and corrosion resistance
- The flexing action compensates parallel, angular misalignments and shaft end-play
- Identical clockwise and anti-clockwise rotational characteristics
- Applicable for encoder

Dimensions/ Specifications

Model	Φd1 Φd2 Bore Diameter	ΦD	L	L1	M	Wrench Torque	Rated Torque	Max. Torque
(mm)						(N·m)		
FC5-12R	3~5	12	18.5	2.75	M2.5	0.5	0.5	1.0
SFC5-12R							0.8	1.6
FC5-16R	4~6.35	16	23	3.0	M3	0.7	0.8	1.6
SFC5-16R							1.1	2.2
FC5-20R	5~9.525	20	26	3.5	M3	0.7	1.1	2.2
SFC5-20R							1.6	3.2
FC5-25R	8~12	25	31	4.0	M4	1.7	1.4	2.8
SFC5-25R							2.2	4.4
FC5-32R	10~14	32	41	6.0	M4	1.7	2.8	5.6
SFC5-32R							5.5	11.0
FC5-40R	10~18	40	56	8.5	M5	4.0	6.3	12.6
SFC5-40R							8.7	17.4
FC5-50R	12~19	50	71	10.5	M6	7.0	11	22.0
SFC5-50R							16	32.0
FC5-63R	14~24	63	90	13.0	M8	15	22	44.0
SFC5-63R							38	76.0

Model	Max.Rotational Frequency	Moment of Inertia	Static Torsional Stiffness	Allowable Radial Misalignment	Allowable Angular Misalignment	Allowable Axial Misalignment	Weight
	(rpm)	(kg·m ²)	(N·m/rad)	(mm)	(°)	(mm)	(g)
FC5-12R	30000	8.2×10 ⁻⁸	33	0.10	1.5	±0.30	4
SFC5-12R		2.0×10 ⁻⁷	60	0.10	1.5	±0.30	12
FC5-16R	22000	3.2×10 ⁻⁷	46	0.10	1.5	±0.30	8
SFC5-16R		8.3×10 ⁻⁷	80	0.10	1.5	±0.30	22
FC5-20R	18000	8.8×10 ⁻⁷	115	0.10	1.5	±0.30	16
SFC5-20R		2.2×10 ⁻⁶	235	0.10	1.5	±0.30	40
FC5-25R	14000	2.5×10 ⁻⁶	165	0.15	1.5	±0.35	28
SFC5-25R		6.7×10 ⁻⁶	315	0.15	1.5	±0.35	74
FC5-32R	10000	9.5×10 ⁻⁶	270	0.15	1.5	±0.35	62
SFC5-32R		2.5×10 ⁻⁵	837	0.15	1.5	±0.35	162
FC5-40R	9400	3.1×10 ⁻⁵	345	0.20	1.5	±0.35	134
SFC5-40R		8.6×10 ⁻⁵	980	0.20	1.5	±0.35	354
FC5-50R	7600	1.0×10 ⁻⁵	580	0.20	1.5	±0.35	266
SFC5-50R		2.6×10 ⁻⁴	1385	0.20	1.5	±0.35	710
FC5-63R	6000	3.0×10 ⁻⁴	830	0.20	1.5	±0.35	500
SFC5-63R		8.2×10 ⁻⁴	1795	0.20	1.5	±0.35	1310

Notes:

* Recommended tolerance for shaft diameter is h7.

* Bore and keyway modifications are available on request., please contact us.

* Inertia moment and weight calculated based on the maximum shaft bore.

Selection Example

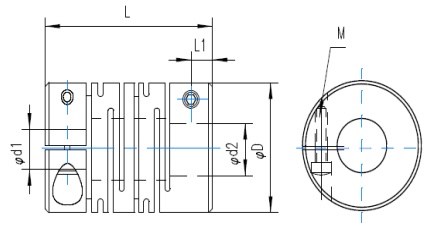
S	FC5	12	R	03	04
Stainless Steel	Series Number	Outside Diameter	Type	d1 Bore	d2 Bore

FC5-RC Parallel-type Coupling

Product Photo



Dimension Drawing



Material

Hub	aluminum alloy / stainless steel
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Features

- One-piece metallic flexible coupling
- Clamp type
- Identical clockwise and anti-clockwise rotational characteristics
- The flexing action compensates parallel, angular misalignments and shaft end-play
- Zero backlash, maintenanc-free, super strong oil resistance and corrosion resistance
- Applicable for encoder

Dimensions/ Specifications

Model	Φd1 Φd2 Bore Diameter	ΦD	L	L1	M	Wrench Torque	Rated Torque	Max. Torque
(mm)					(N·m)			
FC5-12RC	3~5	12	18.5	2.50	M2.5	0.5	0.5	1
SFC5-12RC							0.8	1.6
FC5-16RC	4~6.350	16	23	3.00	M2.5	1.0	0.8	1.6
SFC5-16RC							1.1	2.2
FC5-20RC	5~9.525	20	26	3.75	M3	1.0	1.1	2.2
SFC5-20RC							1.6	3.2
FC5-25RC	8~12	25	31	4.25	M3	1.5	1.4	2.8
SFC5-25RC							2.2	4.4
FC5-32RC	10~14	32	41	6.00	M4	2.5	2.8	5.6
SFC5-32RC							5.5	11
FC5-40RC	10~18	40	56	7.00	M5	4.0	6.3	12.6
SFC5-40RC							8.7	17.4
FC5-50RC	12~19	50	71	10.50	M6	8.0	11	22
SFC5-50RC							16	32
FC5-63RC	14~24	63	90	13.00	M8	16.0	22	44
SFC5-63RC							38	76

Model	Max.Rotational Frequency	Moment of Inertia	Static Torsional Stiffness	Allowable Radial Misalignment	Allowable Angular Misalignment	Allowable Axial Misalignment	Weight
	(rpm)	(kg·m ²)	(N·m/rad)	(mm)	(°)	(mm)	(g)
FC5-12RC	10000	7.6×10 ⁻⁸	34	0.10	1.5	±0.30	4
SFC5-12RC		2.1×10 ⁻⁷	62	0.10	1.5	±0.30	8
FC5-16RC	9300	3.2×10 ⁻⁷	46	0.10	1.5	±0.30	18
SFC5-16RC		8.9×10 ⁻⁷	83	0.10	1.5	±0.30	32
FC5-20RC	7500	8.8×10 ⁻⁶	118	0.10	1.5	±0.30	66
SFC5-20RC		2.4×10 ⁻⁸	246	0.10	1.5	±0.30	138
FC5-25RC	6000	2.5×10 ⁻⁸	167	0.15	1.5	±0.35	272
SFC5-25RC		7.0×10 ⁻⁶	315	0.15	1.5	±0.35	530
FC5-32RC	6000	9.6×10 ⁻⁶	228	0.15	1.5	±0.35	14
SFC5-32RC		2.6×10 ⁻⁵	845	0.15	1.5	±0.35	26
FC5-40RC	3600	3.2×10 ⁻⁵	346	0.20	1.5	±0.35	48
SFC5-40RC		8.9×10 ⁻⁵	990	0.20	1.5	±0.35	78
FC5-50RC	3000	9.0×10 ⁻⁵	580	0.20	1.5	±0.35	174
SFC5-50RC		2.7×10 ⁻⁴	1380	0.20	1.5	±0.35	372
FC5-63RC	2200	3.1×10 ⁻⁴	843	0.20	1.5	±0.35	760
SFC5-63RC		8.7×10 ⁻⁴	1790	0.20	1.5	±0.35	1410

Notes:

* Recommended tolerance for shaft diameter is h7.

* Bore and keyway modifications are available on request., please contact us.

* Inertia moment and weight calculated based on the maximum shaft bore.

Selection Example

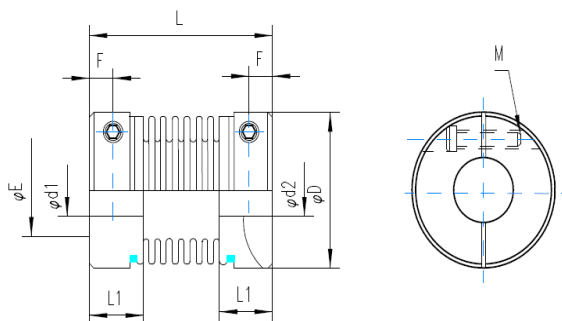
S	FC5	12	R	C	03	04
Stainless Steel	Series Number	Outside Diameter	Type	Clamp type	d1 Bore	d2 Bore

BC6-SC Bellows Coupling

Product Photo



Dimension Drawing



Material

Features

Hub	Aluminum Alloy
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- High torsional stiffness and excellent response
- Clamp type
- Identical clockwise and anti-clockwise rotational characteristics
- Absorbing parallel, angular misalignments and shaft end-play
- Suitable for high torque transmission

Dimensions/ Specifications

Model	Φd1 Φd2 Bore Diameter	ΦD	L	L1	F	E	M	Wrench Torque	Rated Torque	Max. Torque
(mm)								(N·m)		
BC6-16SC	4~8	16	30	10.5	4.0	9.5	M3	0.7	0.8	1.5
BC6-20SC	6~12	20	33	10.5	4.0	12.5	M3	0.7	1.5	3.0
BC6-25SC	6~12	25	38	12.5	5.0	15	M4	1.7	2.0	4.0
BC6-32SC	8~14	32	43	14.0	6.0	21	M4	1.7	2.5	5.0
BC6-40SC	10~16	40	62	21.5	6.5	27	M5	4.0	10	20
BC6-55SC	12~19	55	72	23	7.0	40	M6	8.0	25	50
BC6-65SC	18~38	65	81	25.5	9.0	45	M8	15	60	120
BC6-82SC	20~42	82	103	34.5	11	56	M10	28	80	160

Model	Max. Rotational Frequency	Moment of Inertia	Static Torsional Stiffness	Allowable Radial Misalignment	Allowable Angular Misalignment	Allowable Axial Misalignment	Weight
	(rpm)	(kg·m ²)	(N·m/rad)	(mm)	(°)	(mm)	(g)
BC6-16SC	18000	9×10 ⁻⁵	1.5×10 ⁴	0.1	1.5	+0.3	15
BC6-20SC	13000	2.9×10 ⁻⁴	3.5×10 ⁴	0.1	1.5	+0.3	19.5
BC6-25SC	11000	4.6×10 ⁻⁴	6.8×10 ⁴	0.1	2.0	+0.5	36
BC6-32SC	10000	1.1×10 ⁻³	1.2×10 ⁵	0.15	2.0	+0.5	58
BC6-40SC	8000	9×10 ⁻⁵	1.5×10 ⁴	0.2	2.0	+0.7	149
BC6-55SC	6000	2.9×10 ⁻⁴	3.5×10 ⁴	0.2	2.0	+0.7	334
BC6-65SC	4500	4.6×10 ⁻⁴	6.8×10 ⁴	0.2	2.0	+0.7	474
BC6-82SC	4000	1.1×10 ⁻³	1.2×10 ⁵	0.2	2.0	+0.7	1090

Notes:

- * Recommended tolerance for shaft diameter is h7.
- * Bore and keyway modifications are available on request., please contact us.
- * Inertia moment and weight calculated based on the maximum shaft bore.

Selection Example

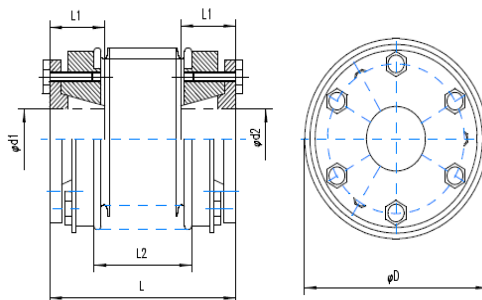
BC6	16	SC	04	05
Series Number	Outside Diameter	Clamp Type	d1 Bore	d2 Bore

BC6-ZT Bellows Coupling

Product Photo



Dimension Drawing



Material

Features

Hub	Aluminum Alloy
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- High torsional stiffness and excellent response
- Locking assembly connection type
- Identical clockwise and anti-clockwise rotational characteristics
- Absorbing parallel, angular misalignments and shaft end-play
- Suitable for high torque transmission

Dimensions/ Specifications

Model	Φd1 Φd2 Bore Diameter	ΦD	L	L1	L2	M	Wrench Torque	Rated Torque	Max. Torque
	(mm)						(N·m)		
BC6-40ZT	10~16	40	55	19	24	M4	3.0	13	26
BC6-55ZT	11~20	55	65	22	31	M4	6.0	28	56
BC6-65ZT	14~28	65	76	27	37	M5	8.0	56	112
BC6-82ZT	19~38	88	88	32	41	M5	10.0	120	240

Model	Max.Rotational Frequency	Moment of Inertia	Static Torsional Stiffness	Allowable Radial Misalignment	Allowable Angular Misalignment	Allowable Axial Misalignment	Weight
	(rpm)	(kg·m ²)	(N·m/rad)	(mm)	(°)	(mm)	(g)
BC6-40ZT	8000	9×10^{-5}	1.5×10^4	0.15	2	1.0	210
BC6-55ZT	6000	2.9×10^{-4}	3.5×10^4	0.20	2	1.5	400
BC6-65ZT	5000	4.6×10^{-4}	6.8×10^4	0.25	2	1.5	790
BC6-82ZT	4500	1.1×10^{-3}	1.2×10^5	0.28	2	1.5	1210

Notes:

- * Recommended tolerance for shaft diameter is h7.
- * Bore and keyway modifications are available on request., please contact us.
- * Inertia moment and weight calculated based on the maximum shaft bore.

Selection Example

BC6	40	ZT	10	11
Series Number	Outside Diameter	Locking Assembly Connection	d1 Bore	d2 Bore

