ALUMINIUM FLEXIBLE COUPLINGS

How to Order

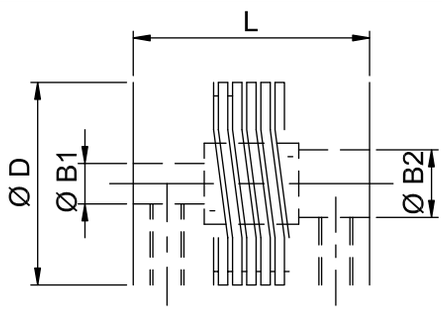
Bc 2
Bs2 x 25 x 32 x 6 x 8

* Coupling Type
* OD
* L
* B1
* B2

Features :

* Compensation of Axial, Radial & angular misalignments
* Long service life (All steel material)
* Taper Bore, hubs, are also available (As per your drawing)
* Simple and fast assembly.

* Other size are available as per your requirement.

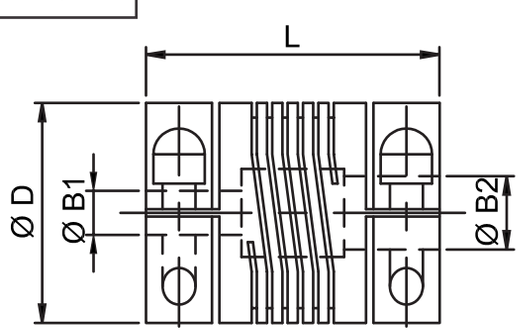


(BS - Type)

Flexible Beam Coupling (Type BS and BC)
Material :- Aluminium

TYPE	DIMENSION (MM)		BORE SIZE (MM)			SCREW	MISALINGMENT		TORQUE N.M.
	OD	L	MIN B1	MIN B2	MAX B1 & B2	Set	ANG	PARAKKEK (MM)	
Bs1	15	20	3	6	6	M3	5^0	.127	1.5
Bs2	20	22	4	6	8	M3	5^0	.127	2
Bs3	25	30	6	8	12	M4	5^0	.127	4
Bs4	30	35	6	10	14	M5	5^0	.127	5
Bs5	35	40	3	12	18	M5	5^0	.127	6
BS6	40	42	10	14	22	M6	5^0	.127	7

(BC - Type)



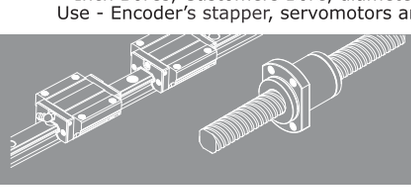
Material :- Aluminium

TYPE	DIMENSION (MM)		BORE SIZE (MM)			SCREW	MISALINGMENT		TORQUE N.M.
	OD	L	MIN B1	MIN B2	MAX B1 & B2	Set Clamp	ANG	PARAKKEK (MM)	
Bc1	20	28	4	6	8	M3	5^0	.127	2
BC2	25	32	6	8	12	M3	5^0	.127	4
BC3	30	40	6	10	14	M4	5^0	.127	5
BC4	35	43	8	12	18	M5	5^0	.127	6
BC5	40	50	10	14	22	M6	5^0	.127	7

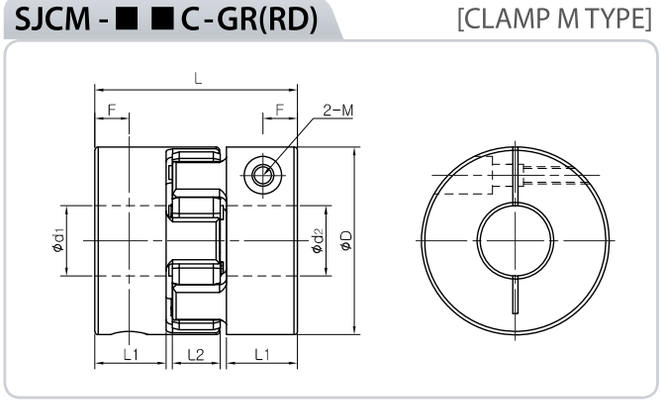
Features :

* Torsional Stiffness * Zero Backlash
* Low moment of Inertia. * One piece Construction * Constant Velocity
* Inch Bores, Customers Bore, diameter & lenght are also available

Use - Encoder's stapper, servomotors and General purpose light duty, power transmission applications.



SJCM - ■ ■ C - GR(RD) [CLAMP M TYPE]



Ø D: ø 55~ ø 80

Dimensions & Performance

Product Number	Dimension (±0.3)					Fastening Bolt M	Fastening Torque (N · m)	Max• RPM (min^{-1})	Max Torque (N · m)	Rated Torque (N · m)	Torsional Stiffness (N · m/rad)	Moment of Inertia (kg · m^2)	Mass (g)	Permissible Misalignment		
	D	L	L_1	L_2	F									Angle (°)	Parallel (mm)	End-Play (mm)
SJCM-55C GR	55	59.3	20.8	14	10.1	M6	13	4,000	90	45	2,500	1.3×10^{-4}	280	1	0.09	$^{+1.4}_{-0.5}$
SJCM-65C GR	65	63.3	21.8	15	10.45	M8	30	3,500	240	120	4,000	2.6×10^{-4}	400	1	0.1	$^{+1.5}_{-0.6}$
SJCM-80C GR	80	87.2	31.7	18	15.5	M10	50	3,000	480	240	10,000	8.7×10^{-4}	860	1	0.1	$^{+1.5}_{-0.6}$
SJCM-100C GR	104	96.2	34.2	21	16.9	M12	90	3,000	600	300	7,000	3.1×10^{-3}	1,700	1	0.15	$^{+2.0}_{-0.6}$
SJCM-55C RD	55	59.3	20.8	14	10.1	M6	13	4,000	120	60	4,000	1.3×10^{-4}	280	1	0.06	$^{+1.4}_{-0.5}$
SJCM-65C RD	65	63.3	21.8	15	10.45	M8	30	3,500	360	180	8,000	2.6×10^{-4}	400	1	0.08	$^{+1.5}_{-0.6}$
SJCM-80C RD	80	87.2	31.7	18	15.5	M10	50	3,000	640	320	20,000	8.7×10^{-4}	860	1	0.08	$^{+1.5}_{-0.6}$
SJCM-100C RD	104	96.2	34.2	21	16.9	M12	90	3,000	1,200	600	40,000	3.1×10^{-3}	1,700	1	0.1	$^{+2.0}_{-0.6}$

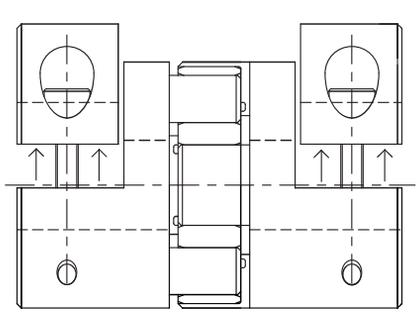
* Mass and mass moment of inertia are measured with max. bore size

Standard Inner diameter

Product Number	Standard Inner Diameter(d_1, d_2, unit:mm)																			
	10	12	14	15	16	18	19	20	22	24	25	26	28	30	32	35	40	45	50	60
SJCM-55C		●	●	●	●	●	●	●	●	●	●	●	●							
SJCM-65C				●	●	●	●	●	●	●	●	●	●	●	●	●				
SJCM-80C				●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
SJCM-100C								●	●	●	●	●	●	●	●	●	●	●	●	●

■ For the inner diameter, INCH type is available ■ Nonstandard inner diameter is also available ■ Keyway is available

■ The recommendation for shaft tolerance is h7.

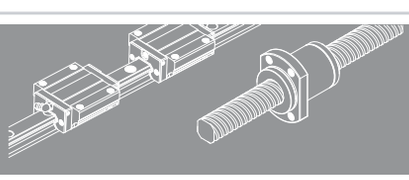


※ It is possible to order the CLAMP Split Type for outer Diameter Size Ø30-Ø100 (Ø 30 is available B TYPE)

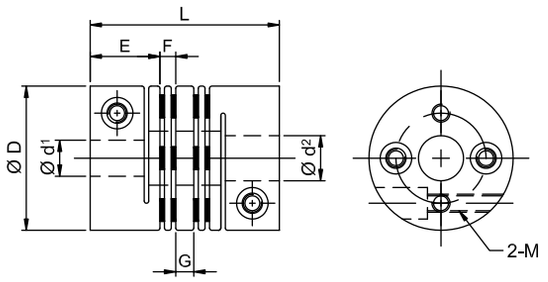
※ It is impossible for SJCM series.

CLAMP SPLIT TYPE

GENERAL CLAMP TYPE

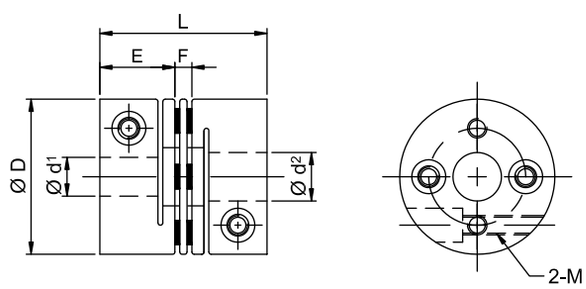


BFCW Buffer Type Flexible Coupling
(Application of Ball Screw)



Model No.	OD	L	E	G	F	M	Od 1, Od2	Errors of angularty	Rated Torque (N-m)	Max Rotational Frequency (rpm)	Weight (g)
BFCW-26	26	35	11.5	7.0	2.5	M2.5	5 ~ 10	2^0	1.5	10,000	37
BFCW-34	34	45	14.1	10.6	3.1	M3	8~ 14	2^0	3	10,000	77
BFCW-39	39	49	15	10.8	4.1	M4	10 ~ 16	2^0	6	10,000	128
BFCW-44	44	50	15	11	4.5	M4	11 ~ 19	2^0	9	10,000	162
BFCW-56	56	63	20	13	5	M5	14 ~ 24	2^0	25	10,000	345
BFCW-68	68	74	24	14	6	M6	19 ~ 35	2^0	55	10,000	605
BFCW-82	82	98	30	22	8	M8	24 ~ 40	2^0	80	10,000	1020

BFC Buffer Type Flexible Coupling
(Application of Ball Screw)



Model No.	OD	L	E	F	M	Od 1, Od2	Errors of angularty	Rated Torque (N-m)	Max Rotational Frequency (rpm)	Weight (g)
BFC-26	26	25.5	11.5	2.5	M2.5	5 ~ 10	1^0	1.5	10,000	28
BFC-34	34	31.3	14.1	3.1	M3	8 ~ 14	1^0	3	10,000	52
BFC-39	39	34.1	15	4.1	M4	10 ~ 16	1^0	6	10,000	88
BFC-44	44	34.5	15	4.5	M4	11 ~ 19	1^0	9	10,000	115
BFC-56	56	45	20	5	M5	14 ~ 24	1^0	25	10,000	240
BFC-68	68	54	24	6	M6	19 ~ 35	1^0	55	10,000	440
BFC-82	82	68	30	8	M8	24 ~ 40	1^0	80	10,000	710

- Supply strong high-strength aluminum alloy adopted.
- Low inertia achieved by the shaft diameter interlock type hub outer diameter.
- No hazardous substances used ROHS directive compliant.
- High rigidity single element.
- High flexibility double element.
- Taper shaft compatible adapter.
- Clamp mounting only with one bolt.
- Shaft bolt design freely made from a pilot bore and a simple, strong function lock.
- Pilot bore and a simple, strong function lock.