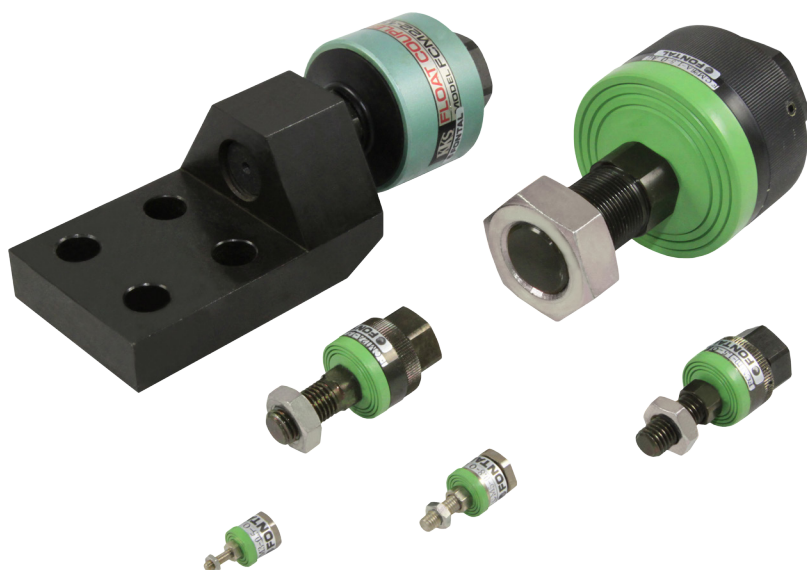


FC

Series

Float Coupler

FC Series



FC Series

Float Coupler

Absorbs lateral load and eccentricity between cylinder and piston rod, making the piston movement smooth.

Ordering Instructions

FC **M10-1.5** - **F**

①

②

① Screw size

M3-0.5	: M3×0.5	M12A-1.5	: M12×1.5
M4-0.7	: M4×0.7	M14A-1.5	: M14×1.5
M5-0.8	: M5×0.8	M18A-1.5	: M18×1.5
M6-1	: M6×1	M22A-1.5	: M22×1.5
M8-1.25	: M8×1.25	M26A-1.5	: M26×1.5
M10-1.25	: M10×1.25	M30-1.5	: M30×1.5
M10-1.5	: M10×1.5	M40-1.5	: M40×1.5
M12A-1.25	: M12×1.25	M45A-1.5	: M45×1.5

② Mounting

No symbol : Basic type

F : Flange type

L : Foot type

Note: FCM3~5 is for basic type only.

Specifications

Model No.	Unit	FCM3-0.5	FCM4-0.7	FCM5-0.8	FCM6-1	FCM8-1.25	FCM10-1.25	FCM10-1.5	FCM12A-1.25
Screw size		M3×0.5	M4×0.7	M5×0.8	M6×1	M8×1.25	M10×1.25	M10×1.5	M12×1.25
Temperature range	°C	-10~60							
Allowable oscillating angle	degree	±5							
Allowable eccentricity	mm	0.5	0.5	0.5	0.75	0.75	0.75	0.75	0.75
Max. working tensile /compressive force	kN	0.019	0.053	0.121	1.08	1.08	2.45	2.45	2.45
Mounting		Basic type				Basic type, Flange type, Foot type			

Model No.	Unit	FCM12A-1.5	FCM14A-1.5	FCM18A-1.5	FCM22A-1.5	FCM26A-1.5	FCM30-1.5	FCM40-1.5	FCM45-1.5
Screw size		M12×1.5	M14×1.5	M18×1.5	M22×1.5	M26×1.5	M30×1.5	M40×1.5	M45×1.5
Temperature range	°C	-10~60							
Allowable oscillating angle	degree	±5							
Allowable eccentricity	mm	0.75	1.0	1.5	2.0	3.0	3.0	4.0	4.0
Max. working tensile /compressive force	kN	2.45	5.88	10.8	17.6	27.5	60.8	87.3	108
Mounting		Basic type, Flange type, Foot type							

Note: FCM40 and 45: made to order



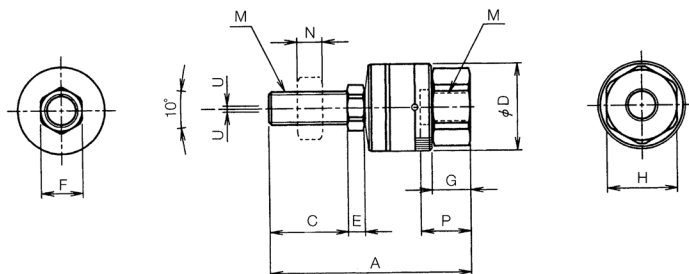
Precautions for Handling

- Float coupler is provided to fit to the piston rod end of an air cylinder.
- Avoid using as a joint for rotary shaft.
- Pay attention to the depth of the thread of the socket.

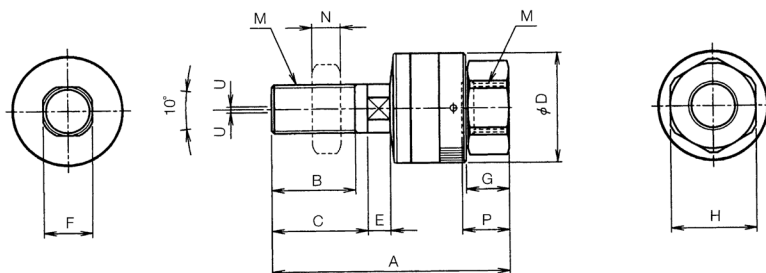
Basic Type

(Unit: mm)

FCM3~10, FCM40~45



FCM12A~30

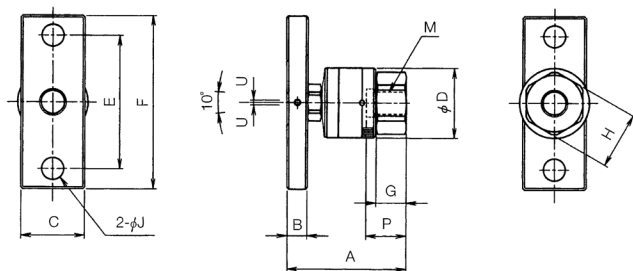


Model No.	M(Screw)	A	B	C	D	E	F	G	H	N	P	Mass(kg)
FCM3-0.5	M3×0.5	23	—	8.5	12	2.5	5.5	2.5	11	1.8	4.5	0.01
FCM4-0.7	M4×0.7	26	—	10.3	12	3.5	5.5	2.5	11	2.4	5	0.01
FCM5-0.8	M5×0.8	32	—	12.2	15.5	4	7	3.5	14	3.2	5.5	0.02
FCM6-1	M6×1	45	—	16	21	4	10	9	17	4	12	0.06
FCM8-1.25	M8×1.25	48	—	19	21	4	10	9	17	6	12	0.06
FCM10-1.25	M10×1.25	56	—	22	24	7	12	10	19	7	12	0.09
FCM10-1.5	M10×1.5	56	—	22	24	7	12	10	19	7	12	0.09
FCM12A-1.25	M12×1.25	58	20.5	23.5	27	6	12	10	21	7	11.5	0.12
FCM12A-1.5	M12×1.5	58	20.5	23.5	27	6	12	10	21	8	11.5	0.12
FCM14A-1.5	M14×1.5	67	20	22	32	7	14	13	27	8	16.5	0.22
FCM18A-1.5	M18×1.5	85	26	29.5	43	11	18	14	27	11	16.5	0.41
FCM22A-1.5	M22×1.5	103	31	34	53	14	22	17	32	13	17	0.75
FCM26A-1.5	M26×1.5	122	39	42	69	15	26	20	41	16	20.5	1.5
FCM30-1.5	M30×1.5	146	47	50	90	16	30	21	46	18	24	3.1
FCM40-1.5	M40×1.5	171	—	64	108	16	60	22	55	24	26	4.7
FCM45-1.5	M45×1.5	200	—	72	118	18	70	24	60	27	36	7.0

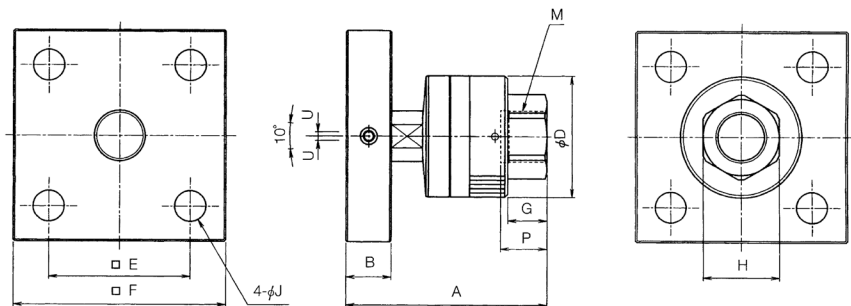
Flange Type

(Unit: mm)

FCM8~14A



FCM18A~45

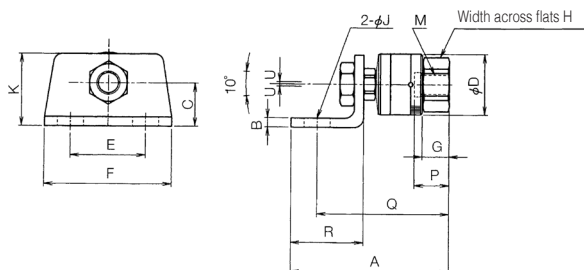


Model No.	M(Screw)	A	B	C	D	E	F	G	H	J	P	Mass(kg)
FCM8-1.25	M8×1.25	35	6	19	21	40	52	9	17	6.6	12	0.11
FCM10-1.25	M10×1.25	43	9	25	24	44	56	10	19	6.6	12	0.18
FCM10-1.5	M10×1.5	43	9	25	24	44	56	10	19	6.6	12	0.18
FCM12A-1.25	M12×1.25	43	9	25	27	44	56	10	21	6.6	11.5	0.19
FCM12A-1.5	M12×1.5	43	9	25	27	44	56	10	21	6.6	11.5	0.19
FCM14A-1.5	M14×1.5	56	12	32	32	60	80	13	27	11	16.5	0.56
FCM18A-1.5	M18×1.5	71.5	16	—	43	50	75	14	27	11	16.5	1.1
FCM22A-1.5	M22×1.5	88	19	—	53	62	100	17	32	14	17	1.9
FCM26A-1.5	M26×1.5	102	22	—	69	70	100	20	41	14	20.5	2.8
FCM30-1.5	M30×1.5	121	25	—	90	90	123	21	46	18	24	5.6
FCM40-1.5	M40×1.5	135	29	—	108	114	150	22	55	22	26	9.3
FCM45-1.5	M45×1.5	159	32	—	118	132	175	24	60	26	36	13.4

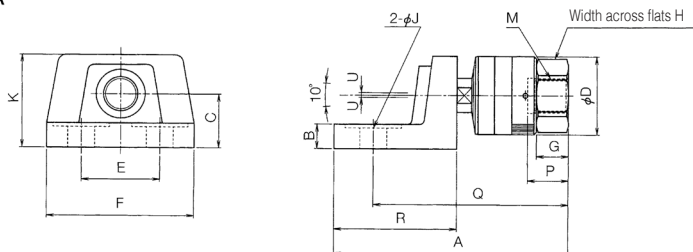
Foot Type

(Unit: mm)

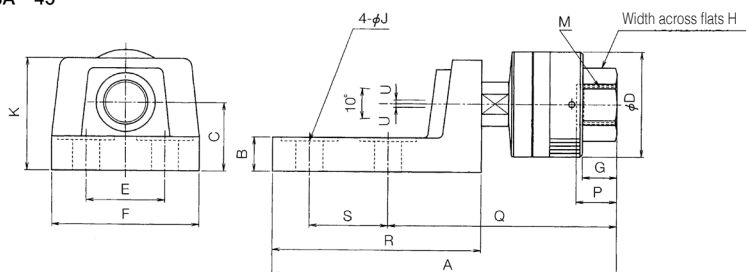
FCM8~12A



FCM14A



FCM18A~45



Model No.	M(Screw)	A	B	C	D	E	F	G	H	J	K	P	Q	R	S	Mass(kg)
FCM8-1.25	M8×1.25	54	3	15	21	26	44	9	17	9	25	12	45	25	—	0.1
FCM10-1.25	M10×1.25	64	5	19	24	26	44	10	19	9	32	12	53	30	—	0.18
FCM10-1.5	M10×1.5	64	5	19	24	26	44	10	19	9	32	12	53	30	—	0.18
FCM12A-1.25	M12×1.25	64	5	19	27	26	44	10	21	9	32	11.5	54	30	—	0.19
FCM12A-1.5	M12×1.5	64	5	19	27	26	44	10	21	9	32	11.5	54	30	—	0.19
FCM14A-1.5	M14×1.5	94	10	22	32	32	60	13	27	11	38	16.5	78	50	—	0.43
FCM18A-1.5	M18×1.5	140.5	14	28	43	32	60	14	27	11	46	16.5	93.5	85	32	1.1
FCM22A-1.5	M22×1.5	164	19	35	53	36	68	17	32	14	56	17	111	95	36	2.1
FCM26A-1.5	M26×1.5	180	24	42	69	36	68	20	41	14	64	20.5	127	100	36	2.9
FCM30-1.5	M30×1.5	218	35	55	90	46	82	21	46	18	80	24	153	122	46	5.6
FCM40-1.5	M40×1.5	255	41	67	108	56	100	22	55	22	97	26	177	148	56	8.8
FCM45-1.5	M45×1.5	294	41	70	118	66	125	24	60	26	103	36	203	166	66	13.2

