

FK

Simple Flow Controller

Related Equipment



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●: Standard, □: Not Available

Variation	Model No.	Thread Size																Page	
		M3 x 0.5	M4 x 0.7	M5 x 0.8	M6 x 1.0	M8 x 1.0	M8 x 1.25	M10 x 1.25	M10 x 1.5	M12 x 1.5	M14 x 1.5	M16 x 1.5	M16 x 2.0	M18 x 1.5	M20 x 2.5	M22 x 1.5	M26 x 1.5		
Male Thread Type	FK-□-N	●	●	●	●	□	●	□	●	□	□	□	□	●	□	●	□	□	1452
Female Thread Type	FK	●	●	●	●	●	●	●	□	●	●	●	□	●	□	●	●	●	1451

Related Equipment

SKL

NCK

SCK

FCK

FJ

FK

Related Equipment

SKL

NCK

SCK

FCK

FJ

FK

Cylinder Switch

Ending

Cylinder Switch

Ending



Simple Flow Controller

FK Series

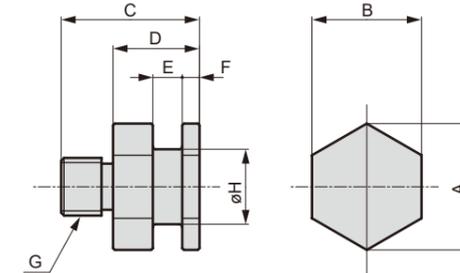
● Compatible cylinder Bore Size: $\phi 6$ to $\phi 100$



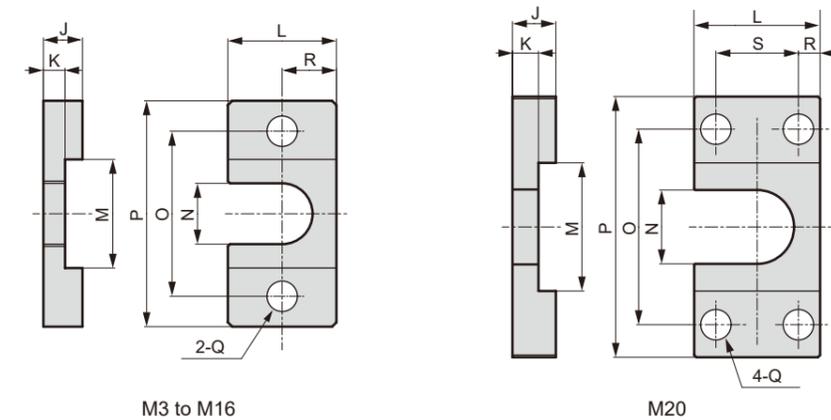
Dimensional Drawings

Material: Steel
Surface Treatment: Nickel Plating

● Bracket (1)

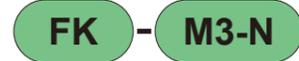


● Bracket (2)



Model Number Notation

● Simple Flow Controller



Model No. ① Thread Size

① Thread Size

Code	Content	Male Thread Type
M3-N	M3×0.5	
M4-N	M4×0.7	
M5-N	M5×0.8	
M6-N	M6×1.0	
M8-N	M8×1.25	
M10-N	M10×1.5	
M16-N	M16×2.0	
M20-N	M20×2.5	
M3	M3×0.5	
M4	M4×0.7	
M5	M5×0.8	
M6	M6×1.0	
M8×1.0	M8×1.0	
M8×1.25	M8×1.25	
M10	M10×1.25	
M12	M12×1.5	
M14	M14×1.5	
M16	M16×1.5	
M18	M18×1.5	
M22	M22×1.5	
M26	M26×1.5	
		Female Thread Type

Rechargeable Battery Compatible Specification (Catalog No. CC-1226AA)

● Design compatible with rechargeable battery manufacturing process

FK - - P40

* Please contact us for details.

Specifications

Model No.		Allowable Load *1 (N)	Allowable Misalignment (mm)	Backlash in Thrust Direction (mm)
Male thread	Female Thread			
FK-M3-N	FK-M3	63	±0.3	0.1 to 0.3
FK-M4-N	FK-M4	110		
FK-M5-N	FK-M5	179		
FK-M6-N	FK-M6	253		
FK-M8-N	FK-M8×1.0	462		
—	FK-M8×1.25	462		
FK-M10-N	FK-M10	734		
—	FK-M12	1069		
—	FK-M14	1466		
FK-M16-N	FK-M16	2003		
—	FK-M18	2448		
—	FK-M20-N	3130	±0.7	
—	FK-M22	3896		
—	FK-M26	6219		
—	—	—		

*1: Allowable load indicates static load.

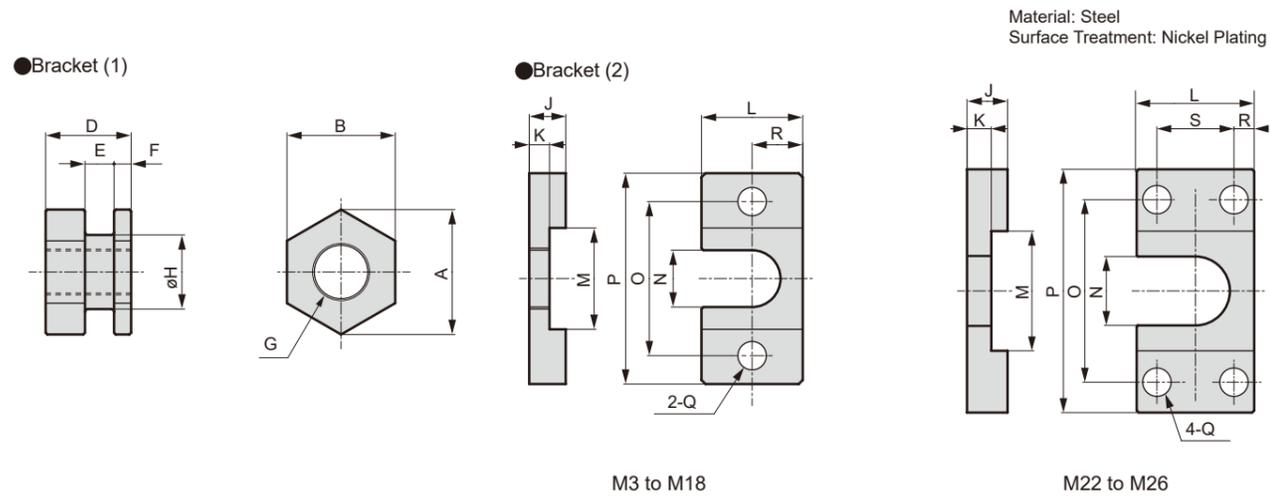
Bracket (1)

Model No.	Applicable Cylinder	A	B	C	D	E	F	G	H	Weight g
FK-M3-N	SSD / SSD2-12	11.6	10	15	10	3.1 ^{+0.1} ₀	2	M3×0.5	6	5.3
FK-M4-N	SSD / SSD2-16	11.6	10	15.5	10	3.1 ^{+0.1} ₀	2	M4×0.7	6	5.5
FK-M5-N	SSD / SSD2-20, FCD-25	13.9	12	16.5	10	3.1 ^{+0.1} ₀	2	M5×0.8	8	8.3
FK-M6-N	SSD / SSD2-25, FCD-32	13.9	12	19	10	3.1 ^{+0.1} ₀	2	M6×1.0	8	8.9
FK-M8-N	SSD / SSD2-32, 40, FCD-40, 50	21.9	19	23	15	5.1 ^{+0.1} ₀	3	M8×1.25	13	30.8
FK-M10-N	SSD / SSD2-50, 63, FCD-63	21.9	19	24	15	5.1 ^{+0.1} ₀	3	M10×1.5	13	32.7
FK-M16-N	SSD / SSD2-80	37	32	31	20	7.1 ^{+0.1} ₀	4	M16×2.0	23	122.5
FK-M20-N	SSD / SSD2-100	53.1	46	43	28	12.1 ^{+0.1} ₀	7	M20×2.5	32	333

Bracket (2)

Model No.	Applicable Cylinder	J	K	L	M	N	O	P	Q	R	S	Weight g
FK-M3-N	SSD / SSD2-12	6	3 ⁰ _{-0.1}	16	14	7	24	34	4.5	8	-	16
FK-M4-N	SSD / SSD2-16	6	3 ⁰ _{-0.1}	16	14	7	24	34	4.5	8	-	16
FK-M5-N	SSD / SSD2-20, FCD-25	6	3 ⁰ _{-0.1}	19	16	9	26	36	4.5	9.5	-	19.6
FK-M6-N	SSD / SSD2-25, FCD-32	6	3 ⁰ _{-0.1}	19	16	9	26	36	4.5	9.5	-	19.6
FK-M8-N	SSD / SSD2-32, 40, FCD-40, 50	9	5 ⁰ _{-0.1}	25	25	14	38	52	7	12.5	-	54.5
FK-M10-N	SSD / SSD2-50, 63, FCD-63	9	5 ⁰ _{-0.1}	25	25	14	38	52	7	12.5	-	54.5
FK-M16-N	SSD / SSD2-80	12	7 ⁰ _{-0.1}	44	42	25	62	85	11	22	-	216
FK-M20-N	SSD / SSD2-100	22	12 ⁰ _{-0.1}	65	59	34	90	120	14	13.5	38	788

Dimensional Drawings



Bracket (1)

Model No.	Applicable Cylinder	A	B	D	E	F	G	H	Weight g
FK-M3	SCPD3-6, CAT-6, SMG-6	11.6	10	10	3.1 ^{+0.1} ₀	2	M3×0.5	6	4.6
FK-M4	SCPD3-10, CAT-10, SMG-10	11.6	10	10	3.1 ^{+0.1} ₀	2	M4×0.7	6	4.1
FK-M5	SCPD3-16, CAT-15, SMG-16 SSD-12-N	13.9	12	10	3.1 ^{+0.1} ₀	2	M5×0.8	8	6.2
FK-M6	SMG-20, SSD/SSD2-16-N	13.9	12	10	3.1 ^{+0.1} ₀	2	M6×1.0	8	5.7
FK-M8×1.0	CMK2-20, CMA2-20, JSK2-20, JSM2-20	21.9	19	15	5.1 ^{+0.1} ₀	3	M8×1.0	13	23
FK-M8×1.25	SMG-25, SSD/SSD2-20-N, SCM-20	21.9	19	15	5.1 ^{+0.1} ₀	3	M8×1.25	13	23.4
FK-M10	CMK2-25, 32, CMA2-30, SMG-32, SSD/SSD2-25-N, SCG-32, SCM-25, 32, FCD-25-N, JSK2-25, 32, JSM2-30	21.9	19	15	5.1 ^{+0.1} ₀	3	M10×1.25	13	20.2
FK-M12	CMK2-40, CMA2-40, JSK2-40, JSM2-40	27.7	24	15	5.1 ^{+0.1} ₀	3	M12×1.5	18	35.7
FK-M14	SCA2-40, SSD/SSD2-32, 40-N, SCG-40, SCM-40, FCD-32, 40-N, JSC3-40	27.7	24	15	5.1 ^{+0.1} ₀	3	M14×1.5	18	31.2
FK-M16	CAV2-50	37	32	20	7.1 ^{+0.1} ₀	4	M16×1.5	23	81.3
FK-M18	SCA2-50, 63, SSD/SSD2-50, 63-N, SCM-50, 63, SCG-50, 63, FCD-50, 63-N, JSC3-50, 63	37	32	20	7.1 ^{+0.1} ₀	4	M18×1.5	23	73.1
FK-M22	SCA2-80, SSD/SSD2-80-N, JSC3-80, SCG-80, SCM-80, CAV2-75, 100	53.1	46	28	12.1 ^{+0.1} ₀	7	M22×1.5	32	226
FK-M26	SCA2-100, SSD/SSD2-100-N, SCM-100, JSC3-100, SCG-100	53.1	46	28	12.1 ^{+0.1} ₀	7	M26×1.5	32	193

Bracket (2)

Model No.	Applicable Cylinder	J	K	L	M	N	O	P	Q	R	S	Weight g
FK-M3	SCPD3-6, CAT-6, SMG-6	6	3 ⁰ _{-0.1}	16	14	7	24	34	4.5	8	-	16
FK-M4	SCPD3-10, CAT-10, SMG-10	6	3 ⁰ _{-0.1}	16	14	7	24	34	4.5	8	-	16
FK-M5	SCPD3-16, CAT-15, SMG-16 SSD/SSD2-12-N	6	3 ⁰ _{-0.1}	19	16	9	26	36	4.5	9.5	-	19.6
FK-M6	SMG-20, SSD/SSD2-16-N	6	3 ⁰ _{-0.1}	19	16	9	26	36	4.5	9.5	-	19.6
FK-M8×1.0	CMK2-20, CMA2-20, JSK2-20, JSM2-20	9	5 ⁰ _{-0.1}	25	25	14	38	52	7	12.5	-	54.5
FK-M8×1.25	SMG-25, SSD/SSD2-20-N, SCM-20	9	5 ⁰ _{-0.1}	25	25	14	38	52	7	12.5	-	54.5
FK-M10	CMK2-25, 32, CMA2-30, SMG-32, SSD/SSD2-25-N, SCG-32, SCM-25, 32, FCD-25-N, JSK2-25, 32, JSM2-30	9	5 ⁰ _{-0.1}	25	25	14	38	52	7	12.5	-	54.5
FK-M12	CMK2-40, CMA2-40	9	5 ⁰ _{-0.1}	32	32	19	50	70	9	16	-	94.5
FK-M14	SCA2-40, SSD/SSD2-32, 40-N, SCG-40, SCM-40, FCD-32, 40-N, JSC3-40	9	5 ⁰ _{-0.1}	32	32	19	50	70	9	16	-	94.5
FK-M16	CAV2-50	12	7 ⁰ _{-0.1}	44	42	25	62	85	11	22	-	216
FK-M18	SCA2-50, 63, SSD/SSD2-50, 63-N, SCM-50, 63, SCG-50, 63, FCD-50, 63-N, JSC3-50, 63	12	7 ⁰ _{-0.1}	44	42	25	62	85	11	22	-	216
FK-M22	SCA2-80, SSD/SSD2-80-N, JSC3-80, SCG-80, SCM-80, CAV2-75, 100	22	12 ⁰ _{-0.1}	65	59	34	90	120	14	13.5	38	788
FK-M26	SCA2-100, SSD/SSD2-100-N, SCM-100, JSC3-100, SCG-100	22	12 ⁰ _{-0.1}	65	59	34	90	120	14	13.5	38	788



Pneumatic Components

To Use This Product Safely

Be sure to read this before use. For general cylinder information, see Intro 41, and for cylinder switches, see P. 1512.

Individual Precautions: Simple Joint FK Series

At Design / Setting

CAUTION

- If used with a load exceeding the allowable load, the product may be damaged or may malfunction. Use with a load less than the allowable load.

For precautions regarding mounting, installation, adjustment, operation, and maintenance, please refer to the CKD Equipment Product Site (<https://www.ckd.co.jp/kiki/en/>) → 'model No.' → [Instruction Manual].