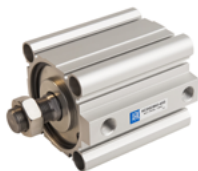
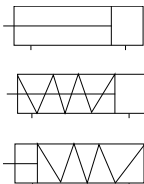


ARK 薄型气缸

Compact Air Cylinder

Series KCQ2 (Ø12 ~ Ø100)



规格 Specifications

缸径 Bore(mm)	12	16	20	25	32	40	50	63	80	100
使用流体 Fluid	洁净空气 Clean Air									
动作形式 Action	双动, 单动 Double Acting, Single Acting (Spring Return/Extend)									
保证耐压力 Proof Press. (MPa)	1.5									
最高使用压力 Max. Press. (MPa)	1.0									
环境流体温度 Amb. Temp.	-5~60°C (未冻结 No Freezing)									
活塞速度 Piston Speed	50~500mm/s									
杆端螺纹 Rod End Thread	内螺纹 (标准), 外螺纹 (可选) Female (STD), Male (Option)									
缓冲 Cushion	橡胶缓冲 Rubber									
行程公差 Stroke Tolerance	+1.0 0									
* 润滑 Lubrication	不需要 Non-Lube									
接管口径 Port Size Rc(PT)	M5×0.8		1/8"		1/4"		3/8"			

* 若需要润滑请用透平1号油ISOVG32
Use Turbine Oil 1st-grade ISOVG32, if necessary.

行程/磁性开关选择 Standard Stroke/Auto Switch

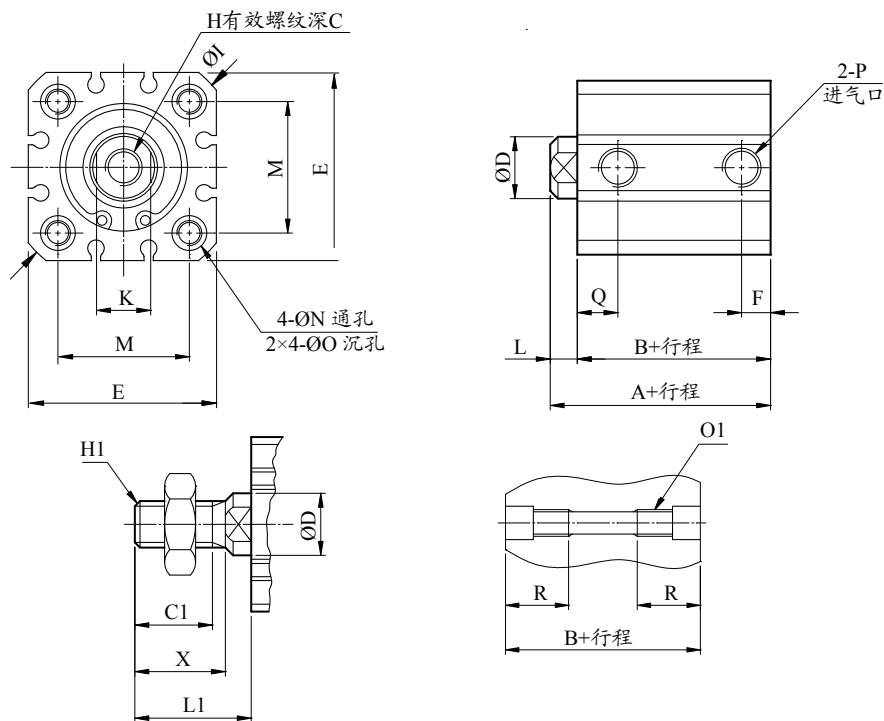
缸径 Bore(mm)	标准行程 Standard Stroke 双动 Double Acting (mm)	轨道安装型 Rail Mounting 磁性开关 Auto Switch
12	5,10,15,20,25,30	D-Z80K□
16		
20	5,10,15,20,25,30, 35,40,45,50	
25		
32	5,10,15,20,25,30, 35,40,45,50,75,100	
40		
50	10,15,20,25,30,35, 40,45,50,75,100	
63		
80		
100		

型号表示方法 How To Order

K	C	D	Q	2	A	32	-	30		D	M	Z80 K	S
有无磁环 Magnet		安装形式 Mounting				行程 Stroke						磁性开关数量 Auto Switch Quantity	
- 无磁环 None		A 两端沉孔加内螺纹及通孔 Both ends tapped with female thread and through-hole				缸径 Bore						- 2个	
D 有磁环 Built-in Magnet		L 脚座 Foot										S 1个	
		F 前法兰 Front Flange										3 3个	
		G 后法兰 Rear Flange											
		D 双U型钩 Double Clevis											

薄型气缸 Compact Air Cylinder
Series KCQ2
外形尺寸图Dimensions (mm)

基本型
KCQ2 (Ø12~Ø25)



缸径 (mm)	行程范围 (mm)	无磁环		有磁环		C	D	E	F	H	K	L	M	N	I
		A	B	A	B										
12	5~30	20.5	17.0	31.5	28	6	6	25	4.5	M3×0.5	5	3.5	15.5	3.5	32
16	5~30	22.0	18.5	34	30.5	8	8	29	5	M4×0.7	6	3.5	20	3.5	38
20	5~50	24	19.5	36	31.5	7	10	36	5.5	M5×0.8	8	4.5	25.5	5.5	47
25	5~50	27.5	22.5	37.5	32.5	12	12	40	5.5	M6×1.0	10	5.0	28	5.5	52

缸径 (mm)	O	P	Q	C1	X	H1	L1	O1	R
12	6.5深3.5	M5×0.8	7.5	9	10.5	M5×0.8	14	M4×0.7	9.5
16	6.5深3.5	M5×0.8	9.5	10	12	M6×1	15.5	M4×0.7	9.5
20	9深7	M5×0.8	9.5	12	14	M8×1.25	18.5	M6×1	17
25	9深7	M5×0.8	11	15.5	17.5	M10×1.25	22.5	M6×1	17

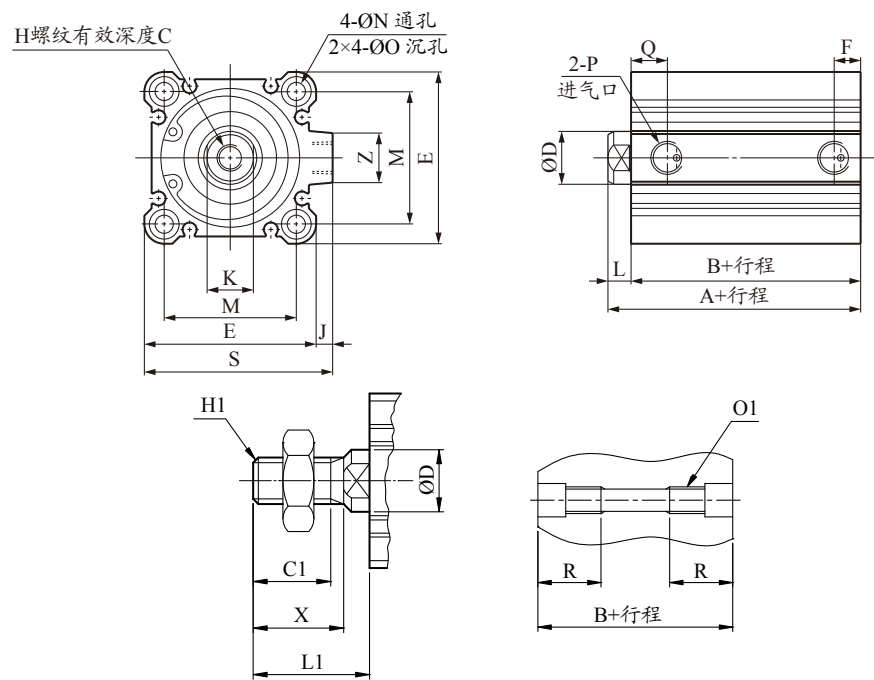
KCQ2非标准中间行程的制造方式

如表格所示：标记为⊙的中间行程按照1mm行程间隔产生，通过在比中间行程长的标准行程（标记为◆）缸筒上安装隔板的方式来实现。

缸径 (mm)	行程范围 (mm)	行程																							
		↔	5	↔	10	↔	15	↔	20	↔	25	↔	30	↔	35	↔	40	↔	45	↔	50	↔	75	↔	100
12,16	1~29	⊙	◆	⊙	◆	⊙	◆	⊙	◆	⊙	◆	⊙	◆												
20,25	1~49	⊙	◆	⊙	◆	⊙	◆	⊙	◆	⊙	◆	⊙	◆	⊙	◆	⊙	◆	⊙	◆	⊙	◆				
32,40	1~99	⊙	◆	⊙	◆	⊙	◆	⊙	◆	⊙	◆	⊙	◆	⊙	◆	⊙	◆	⊙	◆	⊙	◆	⊙	◆	⊙	◆
50~100	1~99	⊙	⊙	⊙	◆	⊙	◆	⊙	◆	⊙	◆	⊙	◆	⊙	◆	⊙	◆	⊙	◆	⊙	◆	⊙	◆	⊙	◆

薄型气缸 Compact Air Cylinder
Series KCQ2
外形尺寸图Dimensions (mm)

基本型
KCQ2 (Ø32~Ø100)



缸径 (mm)	行程范围 (mm)	无磁环		有磁环		C	D	E	F	H	J	K	L	M	N
		A	B	A	B										
32	5	30	23	40	33	13	16	45.0	5.5	M8×1.25	4.5	14	7.0	34	5.5
	10~50								7.5						
	75, 100	40	33												
40	5~50	36.5	29.5	46.5	39.5	13	16	52.0	8.5	M8×1.25	5.0	14	7.0	40	5.5
	75, 100	46.5	39.5												
50	10~50	38.5	30.5	48.5	40.5	15	20	64.0	10.5	M10×1.5	7.0	18	8.0	50	6.5
	75, 100	48.5	40.5												
63	10~50	44	36	54	46	15	20	77.0	10	M10×1.5	7.0	18	8.0	60	9.0
	75, 100	54	46												
80	10~50	53.5	43.5	63.5	53.5	21	25	98.0	14	M16×2.0	6.0	22	10.0	77	11.0
	75, 100	63.5	53.5												
100	10~50	65	53	75	63	27	30	117	17.5	M20×2.5	6.5	27	12.0	94	11.0
	75, 100	75	63												

缸径 (mm)	行程范围 (mm)	O	P		Q	S	Z	C1	X	H1	L1	O1	R
			无磁环	有磁环									
32	5	9深7	M5×0.8	1/8"	11.5	49.5	13	20.5	23.5	M14×1.5	28.5	M6×1	17
	10~50, 75, 100		1/8"	1/8"	10.5								
40	5~50, 75, 100	9深7	1/8"	1/8"	12.0	57.0	14	20.5	23.5	M14×1.5	28.5	M6×1	17
50	10~50, 75, 100	11深8	1/4"	1/4"	11.5	71.0	16	26	28.5	M18×1.5	33.5	M8×1.25	22
63	10~50, 75, 100	14深10.5	1/4"	1/4"	15.5	84.0	19	26	28.5	M18×1.5	33.5	M10×1.5	28.5
80	10~50, 75, 100	17.5深13.5	3/8"	3/8"	16.0	104.0	22	32.5	35.5	M22×1.5	43.5	M12×1.75	35.5
100	10~50, 75, 100	17.5深13.5	3/8"	3/8"	20.0	123.5	26	32.5	35.5	M26×1.5	43.5	M12×1.75	35.5

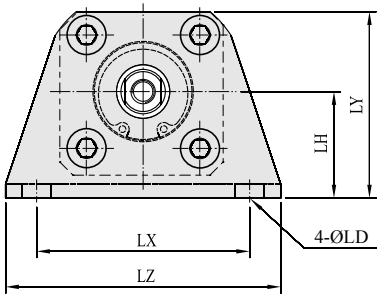
薄型气缸 Compact Air Cylinder

Series KCQ2

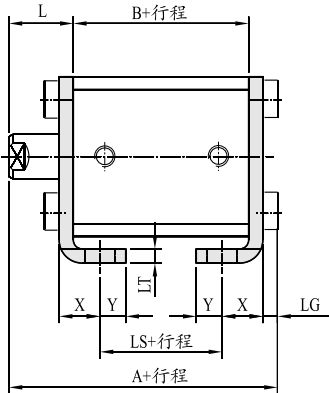
外形尺寸图Dimensions (mm)

脚座型 (Foot Type)

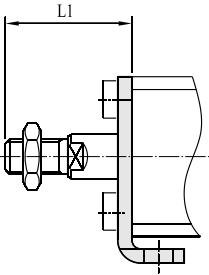
KCQ2L



杆端内螺纹
(Rod End Female Thread)



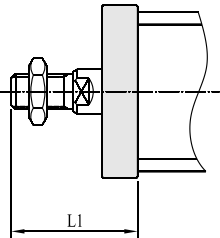
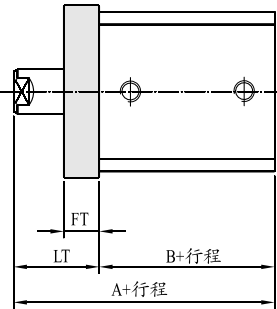
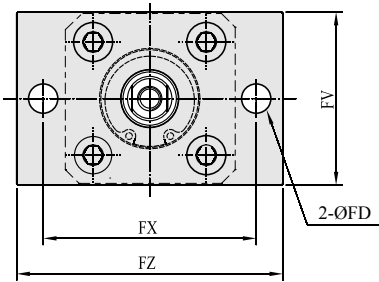
杆端外螺纹
(Rod End Male Thread)



零件号	代号 缸径	无磁环			有磁环			L	L1	LD	LG	LH	LT	LX	LY	LZ	X	Y
		A	B	LS	A	B	LS											
FCQ-L012	12	35.3	17	5	46.3	28	16	13.5	24	4.5	2.8	17	2	34	29.5	44	8	4.5
FCQ-L016	16	36.8	18.5	6.5	48.8	30.5	18.5	13.5	25.5	4.5	2.8	19	2	38	33.5	48	8	5
FCQ-L020	20	41.2	19.5	7.1	53.2	31.5	19.1	14.5	28.5	6.5	4	24	3	48	42	62	9.2	5.8
FCQ-L025	25	44.7	22.5	7.1	54.7	32.5	17.1	15	32.5	6.5	4	26	3	52	46	66	10.7	5.8

前法兰型 (Front Flange Type)

KCQ2F



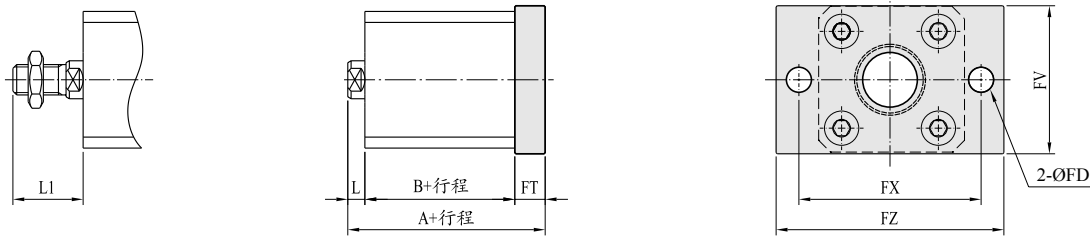
零件号	代号 缸径	无磁环		有磁环		FD	FT	FV	FX	FZ	LT	L1
		A	B	A	B							
FCQ-F012	12	30.5	17	41.5	28	4.5	5.5	25	45	55	13.5	24
FCQ-F016	16	32	18.5	44	30.5	4.5	5.5	30	45	55	13.5	25.5
FCQ-F020	20	34	19.5	46	31.5	6.5	8	39	48	60	14.5	28.5
FCQ-F025	25	37.5	22.5	47.5	32.5	6.5	8	42	52	64	15	32.5

薄型气缸 Compact Air Cylinder
Series KCQ2
外形尺寸图Dimensions (mm)

后法兰型 (Rear Flange Type)
KCQ2G

杆端外螺纹 (Rod End Male Thread)

杆端内螺纹 (Rod End Female Thread)

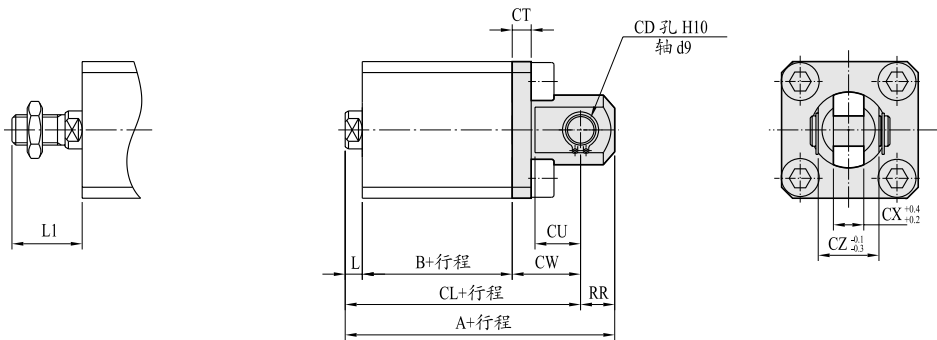


零件号	代号 缸径	无磁环				有磁环				FD	FT	FV	FX	FZ
		A	B	L	L1	A	B	L	L1					
FCQ-F012	12	26	17	3.5	14	37	28	3.5	14	4.5	5.5	25	45	55
FCQ-F016	16	27.5	18.5	3.5	15.5	39.5	30.5	3.5	15.5	4.5	5.5	30	45	55
FCQ-F020	20	32	19.5	4.5	18.5	44	31.5	4.5	18.5	6.5	8	39	48	60
FCQ-F025	25	35.5	22.5	5	22.5	45.5	32.5	5	22.5	6.5	8	42	52	64

双U型钩 (Double Clevis Type)
KCQ2D

杆端外螺纹 (Rod End Male Thread)

杆端内螺纹 (Rod End Female Thread)



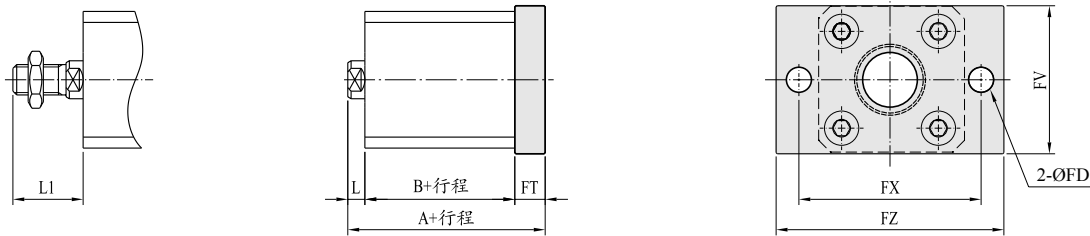
零件号	代号 缸径	基本型					内置磁环型					CD	CT	CU	CW	CX	CZ	RR
		A	B	CL	L	L1	A	B	CL	L	L1							
FCQ-D012	12	40.5	17	34.5	3.5	14	51.5	28	45.5	3.5	14	5	4	7	14	5	10	6
FCQ-D016	16	43	18.5	37	3.5	15.5	55	30.5	49	3.5	15.5	5	4	10	15	6.5	12	6
FCQ-D020	20	51	19.5	42	4.5	18.5	63	31.5	54	4.5	18.5	8	5	12	18	8	16	9
FCQ-D025	25	57.5	22.5	47.5	5	22.5	67.5	32.5	57.5	5	22.5	10	5	14	20	10	20	10

薄型气缸 Compact Air Cylinder
Series KCQ2
外形尺寸图Dimensions (mm)

后法兰型 (Rear Flange Type)
KCQ2G

杆端外螺纹 (Rod End Male Thread)

杆端内螺纹 (Rod End Female Thread)

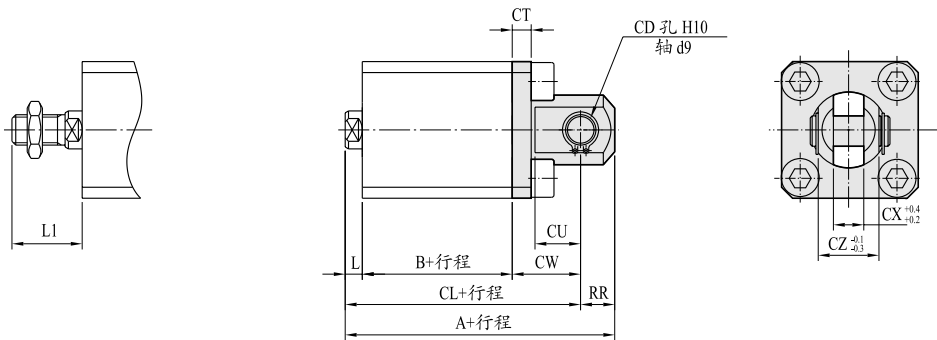


零件号	代号 缸径	无磁环				有磁环				FD	FT	FV	FX	FZ
		A	B	L	L1	A	B	L	L1					
FCQ-F012	12	26	17	3.5	14	37	28	3.5	14	4.5	5.5	25	45	55
FCQ-F016	16	27.5	18.5	3.5	15.5	39.5	30.5	3.5	15.5	4.5	5.5	30	45	55
FCQ-F020	20	32	19.5	4.5	18.5	44	31.5	4.5	18.5	6.5	8	39	48	60
FCQ-F025	25	35.5	22.5	5	22.5	45.5	32.5	5	22.5	6.5	8	42	52	64

双U型钩 (Double Clevis Type)
KCQ2D

杆端外螺纹 (Rod End Male Thread)

杆端内螺纹 (Rod End Female Thread)



零件号	代号 缸径	基本型					内置磁环型					CD	CT	CU	CW	CX	CZ	RR
		A	B	CL	L	L1	A	B	CL	L	L1							
FCQ-D012	12	40.5	17	34.5	3.5	14	51.5	28	45.5	3.5	14	5	4	7	14	5	10	6
FCQ-D016	16	43	18.5	37	3.5	15.5	55	30.5	49	3.5	15.5	5	4	10	15	6.5	12	6
FCQ-D020	20	51	19.5	42	4.5	18.5	63	31.5	54	4.5	18.5	8	5	12	18	8	16	9
FCQ-D025	25	57.5	22.5	47.5	5	22.5	67.5	32.5	57.5	5	22.5	10	5	14	20	10	20	10

薄型气缸 Compact Air Cylinder

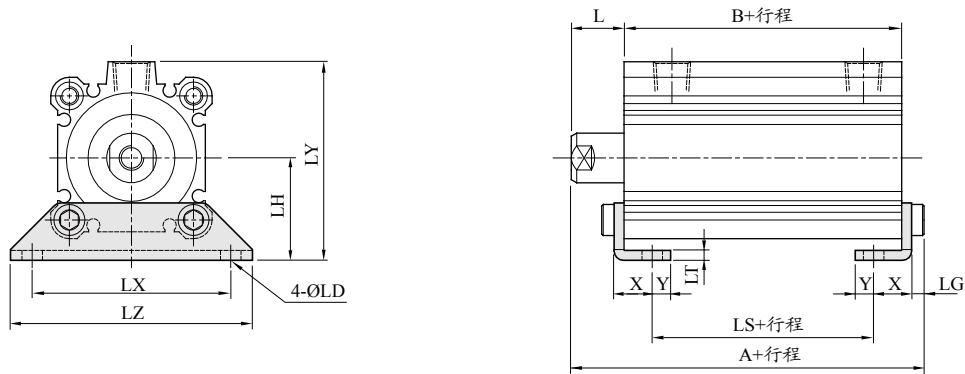
Series KCQ2

外形尺寸图Dimensions (mm)

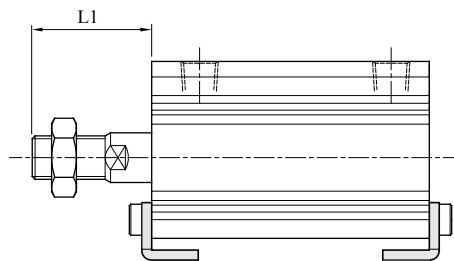
脚座型 (Foot Type)

KCQ2L

杆端内螺纹 (Rod End Female Thread)



杆端外螺纹 (Rod End Male Thread)

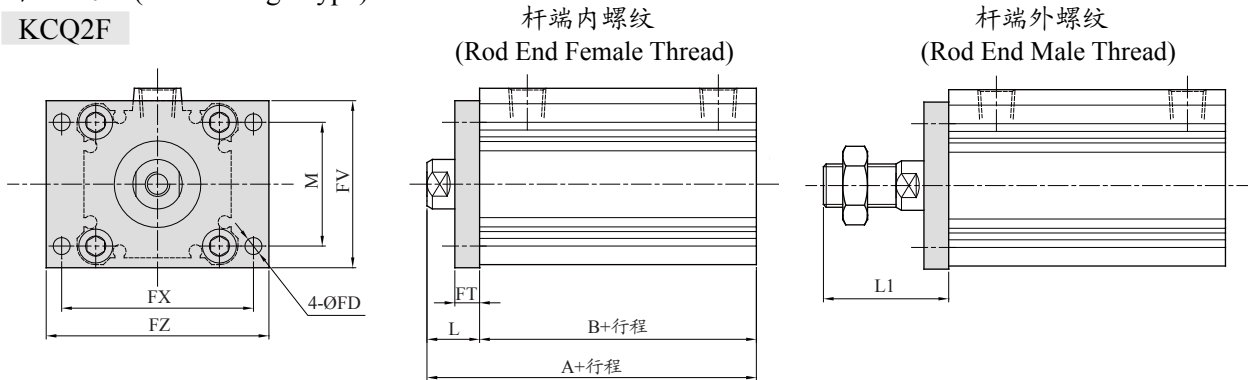


零件号	缸径 (mm)	行程范围 (mm)	基本型			内置磁环型			L	L1	LD	LG	LH	LT	LX	LY	LZ	X	Y
			A	B	LS	A	B	LS											
FCQ-L032	32	5~50	47	23	6.6	57	33	16.6	17	38.5	6.6	4	30	3	57	57	71	11.2	5.8
		75, 100	57	33	16.6														
FCQ-L040	40	5~50	53.5	29.5	13.1	63.5	39.5	23.1	17	38.5	6.6	4	33	3	64	64	78	11.2	7
		75, 100	63.5	39.5	23.1														
FCQ-L050	50	10~50	56.5	30.5	12.1	66.5	40.5	22.1	18	43.5	9	5	39	3	79	78	95	12.2	8
		75, 100	66.5	40.5	22.1														
FCQ-L063	63	10~50	62	36	14.6	72	46	24.6	18	43.5	11	5	46	3	95	91.5	113	13.7	9
		75, 100	72	46	24.6														
FCQ-L080	80	10~50	75	43.5	18.5	85	53.5	28.5	20	53.5	13	7	59	4.5	118	114	140	16.5	11
		75, 100	85	53.5	28.5														
FCQ-L100	100	10~50	88	53	19	98	63	29	22	53.5	13	7	71	6	137	136	162	23	12.5
		75, 100	98	63	29														

薄型气缸 Compact Air Cylinder
Series KCQ2
外形尺寸图Dimensions (mm)

前法兰型 (Front Flange Type)

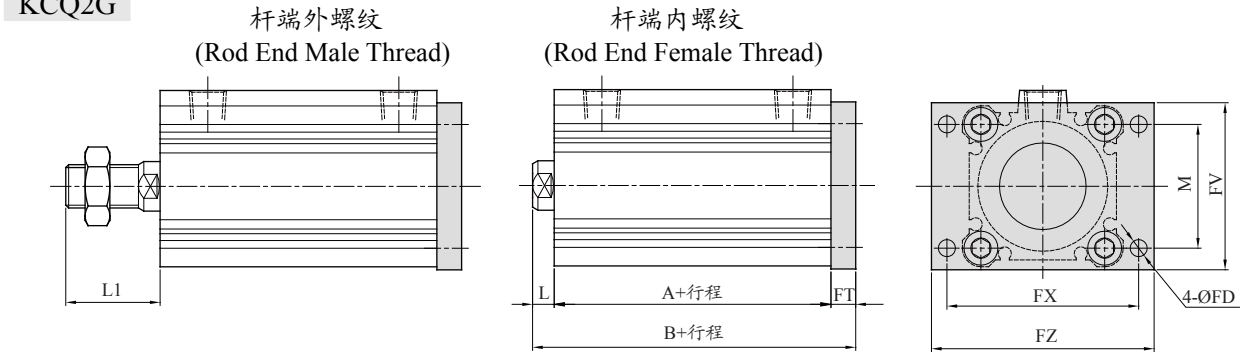
KCQ2F



零件号	缸径 (mm)	行程范围 (mm)	基本型		内置磁环型		L	L1	FD	FT	FV	FX	FZ	M
			A	B	A	B								
FCQ-F032	32	5~50	40	23	50	33	17	38.5	5.5	8	48	56	65	34
		75, 100	50	33										
FCQ-F040	40	5~50	46.5	29.5	56.5	39.5	17	38.5	5.5	8	54	62	72	40
		75, 100	56.5	39.5										
FCQ-F050	50	10~50	48.5	30.5	58.5	40.5	18	43.5	6.5	9	67	76	89	50
		75, 100	58.5	40.5										
FCQ-F063	63	10~50	54	36	64	46	18	43.5	9	9	80	92	108	60
		75, 100	64	46										
FCQ-F080	80	10~50	63.5	43.5	73.5	53.5	20	53.5	11	11	99	116	134	77
		75, 100	73.5	53.5										
FCQ-F100	100	10~50	75	53	85	63	22	53.5	11	11	117	136	154	94
		75, 100	85	63										

后法兰型 (Rear Flange Type)

KCQ2G

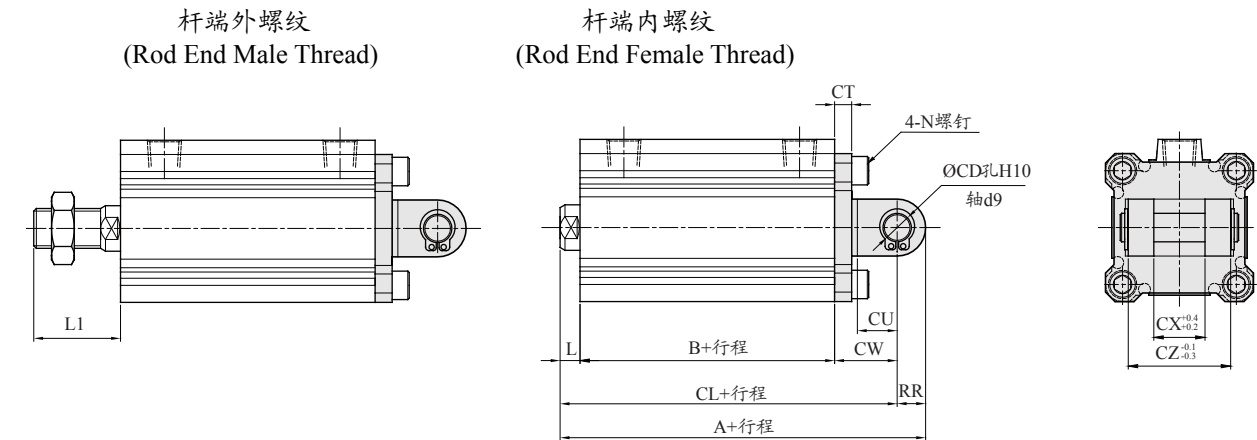


零件号	缸径 (mm)	行程范围 (mm)	基本型		内置磁环型		L	L1	FD	FT	FV	FX	FZ	M
			A	B	A	B								
FCQ-F032	32	5~50	38	23	48	33	7	28.5	5.5	8	48	56	65	34
		75, 100	48	33										
FCQ-F040	40	5~50	44.5	29.5	54.5	39.5	7	28.5	5.5	8	54	62	72	40
		75, 100	54.5	39.5										
FCQ-F050	50	10~50	47.5	30.5	57.5	40.5	8	33.5	6.5	9	67	76	89	50
		75, 100	57.5	40.5										
FCQ-F063	63	10~50	53	36	63	46	8	33.5	9	9	80	92	108	60
		75, 100	63	46										
FCQ-F080	80	10~50	64.5	43.5	74.5	53.5	10	43.5	11	11	99	116	134	77
		75, 100	74.5	53.5										
FCQ-F100	100	10~50	76	53	86	63	12	43.5	11	11	117	136	154	94
		75, 100	86	63										

薄型气缸 Compact Air Cylinder
Series KCQ2
外形尺寸图Dimensions (mm)

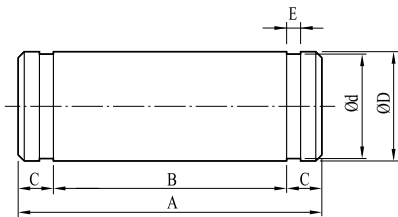
双U型钩 (Double Clevis Type)

KCQ2D



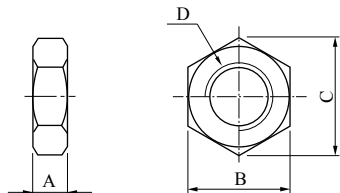
零件号	缸径 (mm)	行程范围 (mm)	基本型			内置磁环型			L	L1	CD	CT	CU	CW	CX	CZ	N	RR
			A	B	CL	A	B	CL										
FCQ-D032	32	5~50	60	23	50	70	33	60	7	28.5	10	5	14	20	18	36	M6×1.0	10
		75,100	70	33	60													
FCQ-D040	40	5~50	68.5	29.5	58.5	78.5	39.5	68.5	7	28.5	10	6	14	22	18	36	M6×1.0	10
		75,100	78.5	39.5	68.5													
FCQ-D050	50	10~50	80.5	30.5	66.5	90.5	40.5	76.5	8	33.5	14	7	20	28	22	44	M8×1.25	14
		75,100	90.5	40.5	76.5													
FCQ-D063	63	10~50	88	36	74	98	46	84	8	33.5	14	8	20	30	22	44	M10×1.5	14
		75,100	98	46	84													
FCQ-D080	80	10~50	109.5	43.5	91.5	119.5	53.5	101.5	10	43.5	18	10	27	38	28	56	M12×1.75	18
		75,100	119.5	53.5	101.5													
FCQ-D100	100	10~50	132	53	110	142	63	120	12	43.5	22	13	31	45	32	64	M12×1.75	22
		75,100	142	63	120													

销子 (Clevis Pin)



零件号	代号 缸径	A	B	C	D	d	E	扣环
FIY-G012	12	14.6	10.2	2.2	5 ^{+0.03} _{-0.06}	4.8 ⁰ _{-0.04}	0.7 ^{+0.10} ₀	STW-5
FIY-G015	16	16.6	12.2	2.2	5 ^{+0.03} _{-0.06}	4.8 ⁰ _{-0.04}	0.7 ^{+0.10} ₀	STW-5
FIY-G02	20	21	16.2	2.4	8 ^{+0.04} _{-0.08}	7.6 ⁰ _{-0.06}	0.9 ^{+0.10} ₀	STW-8
FIY-G03	25	25.6	20.2	2.7	10 ^{+0.04} _{-0.08}	9.6 ⁰ _{-0.06}	1.15 ^{+0.14} ₀	STW-10
FIY-G04	32,40	41.6	36.2	2.7	10 ^{+0.04} _{-0.08}	9.6 ⁰ _{-0.06}	1.15 ^{+0.14} ₀	STW-10
FIY-G06	50,63	50.6	44.2	3.2	14 ^{+0.05} _{-0.10}	13.4 ^{+0.05} _{-0.10}	1.15 ^{+0.14} ₀	STW-14
FIY-G08	80	64	56.2	3.9	18 ^{+0.05} _{-0.10}	17 ^{+0.05} _{-0.10}	1.35 ^{+0.14} ₀	STW-18
FIY-G10	100	72	64.2	3.9	22 ^{+0.07} _{-0.12}	21 ^{+0.07} _{-0.12}	1.35 ^{+0.14} ₀	STW-22

杆端螺母 (Rod End Nut)



零件号	代号 缸径	A	B	C	D
FNT-015A	12	4	8	9.2	M5×0.8
FNTJ-015A	16	5	10	11.5	M6×1.0
FNT-02	20	5	13	15	M8×1.25
FNT-03	25	6	17	19.6	M10×1.25
FNT-04	32,40	8	22	25.4	M14×1.5
FNT-05	50,63	11	27	31.2	M18×1.5
FNT-08	80	13	32	37	M22×1.5
FNT-10	100	16	41	47.3	M26×1.5