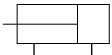


轻巧型气缸 Light Air Cylinder Series *KCG1* (Ø20~Ø63)



规格 Specifications

缸径 Bore size (mm)	20	25	32	40	50	63
接管口径 Port size Rc(PT)	1/8				1/4	
使用流体 Fluid	过滤压缩空气 Filtered compressed air					
动作形式 Action	双动 Double acting					
保证耐压力 Proof pressure (MPa)	1.5					
使用压力范围 Operating pressure range (MPa)	0.05~1.0					
环境及流体温度 Ambient and fluid temperature	-5~60℃ (未冻结 No freezing)					
活塞速度 Piston speed	50~500 mm/s					
缓冲 Cushion	橡胶缓冲 (标准) Rubber bumper (Standard) 气缓冲 (可选) Air cushion (Option)					
行程公差 Stroke tolerance (mm)	~1000: ^{+1.4} ₀					
* 润滑 Lubrication	不需要 Not required					

* 如需要润滑请使用透平 1 号油 ISOVG32。Please use Turbine oil 1st Grade ISOVG32 if necessary.

行程 / 磁性开关 Stroke/ Auto switch

缸径 Bore size (mm)	标准行程 Standard stroke (mm)	磁性开关 / 固定钢带 Auto switch/ Band mounting
20	25, 50, 75, 100, 125, 150, 200	D-M9BK/PBC-A
25, 32, 40, 50, 63	25, 50, 75, 100, 125, 150, 200, 250, 300	

* 非标行程可定制。Nonstandard stroke can be customized.

型号表示方法 How to Order

KC **D** G1 **B** **20** - **50** **A** **Y**

磁环 Magnet

-	无 None
D	内置磁环 Built-in magnet

安装形式 Mounting

B	基本型 Basic
L	脚座 Foot
F	前法兰 Front flange
G	后法兰 Rear flange
*D	双 U 型钩 Double clevis
*U	前轴耳 Front trunnion
*T	后轴耳 Rear trunnion

* 双 U 型钩和轴耳可选配相同的接座。
The pivot bracket is optional to applied to both double clevis and trunnion.

行程
Stroke
(mm)

缸径
Bore size
(mm)

缓冲 Cushion

N	橡胶缓冲 Rubber bumper
A	气缓冲 Air cushion

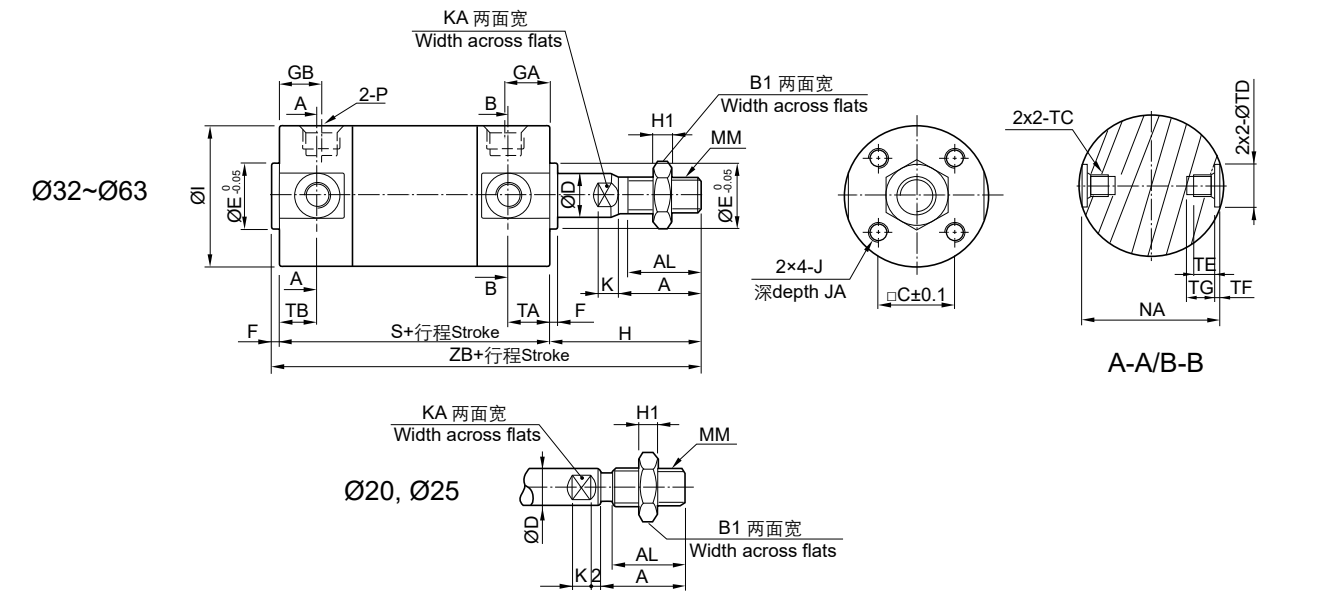
附件 Accessory

-	无 None
I	I 型单肘节接头 I type single knuckle joint
Y	Y 型双肘节接头 Y type double knuckle joint

轻巧型气缸
Light Air Cylinder
Series **KCG1**

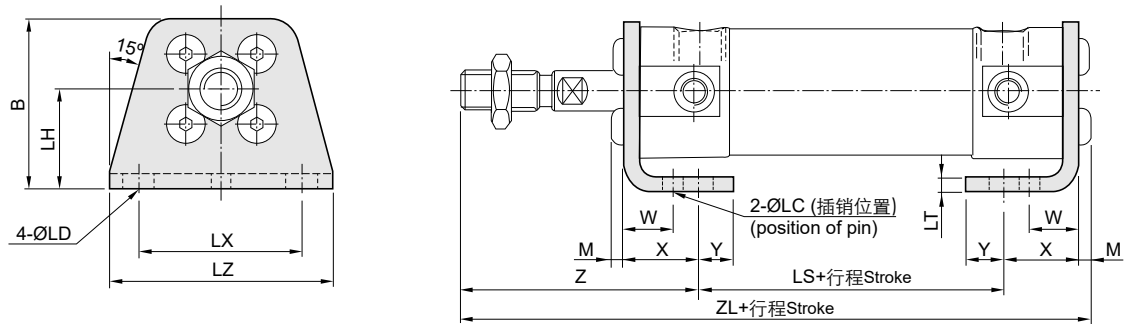
外形尺寸图 Dimensions (mm)

KC(D)G1B



缸径 Bore size	A	AL	B1	C	D	E	F	GA	GB	H	H1	I	J	JA	K	KA	MM	NA	P	S	TA	TB	TC	TD	TE	TF	TG	ZB
20	18	15.5	13	14	8	12	2	12	12	35	5	26	M4x0.7	7	4	6	M8x1.25	24	1/8	69	11	11	M5x0.8	8 ^{+0.08} ₀	4	0.5	5.5	106
25	22	19.5	17	16.5	10	14	2	12	12	40	6	31	M5x0.8	7.5	5	8	M10x1.25	29	1/8	69	11	11	M6x0.75	10 ^{+0.08} ₀	5	1	6.5	111
32	22	19.5	17	20	12	18	2	12	11	40	6	38	M5x0.8	8	5.5	10	M10x1.25	36	1/8	71	11	10	M8x1.0	12 ^{+0.08} ₀	5.5	1.25	7.5	113
40	30	27	22	26	16	25	2	13	12	50	8	47	M6x1.0	12	6	14	M14x1.5	44	1/8	78	12	10	M10x1.25	14 ^{+0.08} ₀	6	1.25	8.5	130
50	35	32	27	32	20	30	2	14	13	58	11	58	M8x1.25	16	7	18	M18x1.5	55	1/4	90	13	12	M12x1.25	16 ^{+0.08} ₀	7.5	2	10	150
63	35	32	27	38	20	32	2	14	13	58	11	72	M10x1.5	16	7	18	M18x1.5	69	1/4	90	13	12	M14x1.5	18 ^{+0.08} ₀	11.5	3	14.5	150

KC(D)G1L



零件号 Part No.	缸径 Bore size	B	LC	LD	LH	LS	LT	LX	LZ	M	W	X	Y	Z	ZL
FCG-L020	20	34	4	6	20	45	3	32	44	2.2	10	15	7	47	109.2
FCG-L025	25	38.5	4	6	22	45	3	36	49	2.8	10	15	7	52	114.8
FCG-L032	32	45	4	6.6	25	45	3	44	58	2.8	10	16	8	53	116.8
FCG-L040	40	54.5	4	6.6	30	51	3	54	71	3.3	10	16.5	8.5	63.5	134.3
FCG-L050	50	70.5	5	9	40	55	4.5	66	86	4.4	17.5	22	11	75.5	156.9
FCG-L063	63	82.5	5	11	45	55	4.5	82	106	5.5	17.5	22	13	75.5	158

* 未标注尺寸与基本型相同。The unmentioned dimensions are same as the Basic type.

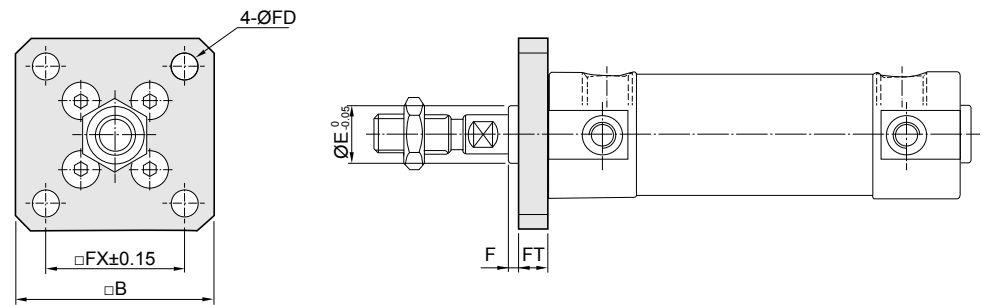
轻巧型气缸

Light Air Cylinder

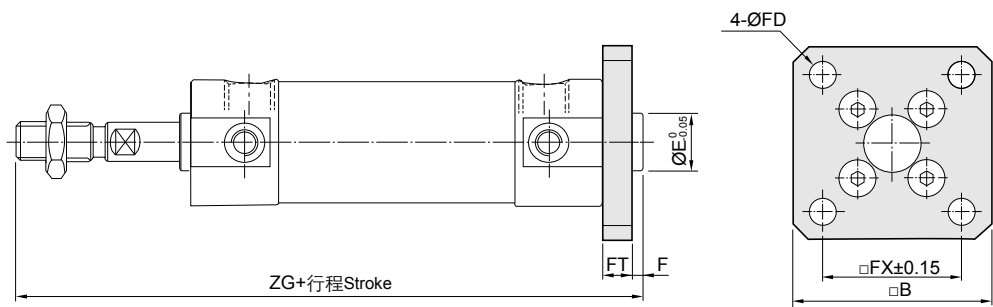
Series KCG1

外形尺寸图 Dimensions (mm)

KC(D)G1F



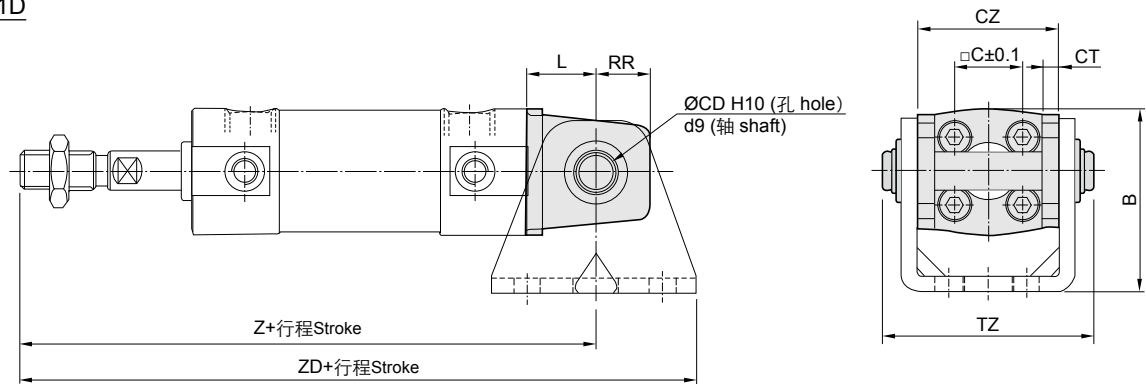
KC(D)G1G



零件号 Part No.	缸径 Bore size	B	E	F	FD	FT	FX	ZG
FCG-F020	20	40	12	2	5.5	6	28	112
FCG-F025	25	44	14	2	5.5	7	32	118
FCG-F032	32	53	18	2	6.6	7	38	120
FCG-F040	40	61	25	2	6.6	8	46	138
FCG-F050	50	76	30	2	9	9	58	159
FCG-F063	63	92	32	2	11	9	70	159

* 未标注尺寸与基本型相同。
The unmentioned dimensions are same as the Basic type.

KC(D)G1D



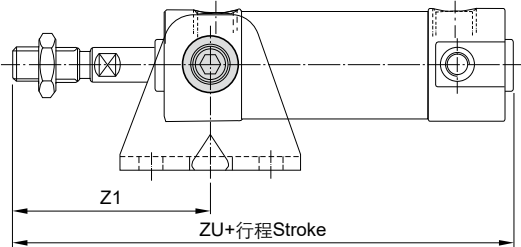
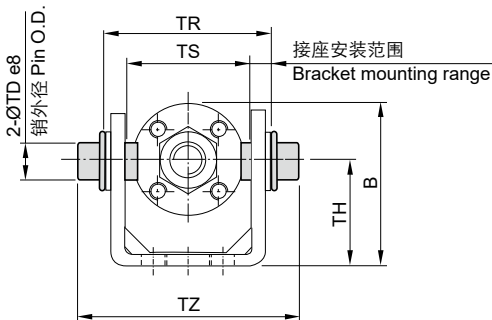
零件号 Part No.	缸径 Bore size	B	C	CD	CT	CZ	L	RR	TZ	Z	ZD
FCG-D020	20	38	14	8	3.2	29	14	11	43.4	118	139
FCG-D025	25	45.5	16.5	10	3.2	33	16	13	48	125	146
FCG-D032	32	54	20	12	4.5	40	20	15	59.4	131	155
FCG-D040	40	63.5	26	14	4.5	49	22	18	71.4	150	178
FCG-D050	50	79	32	16	6	60	25	20	86	173	205
FCG-D063	63	96	38	18	8	74	30	22	105.4	178	215

* 未标注尺寸与基本型相同。The unmentioned dimensions are same as the Basic type.

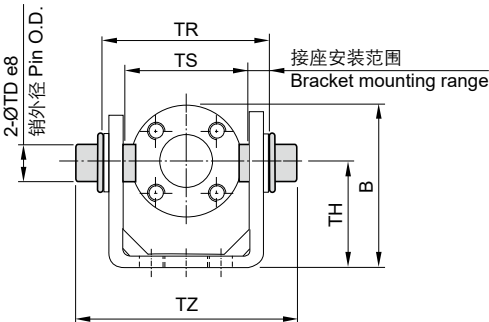
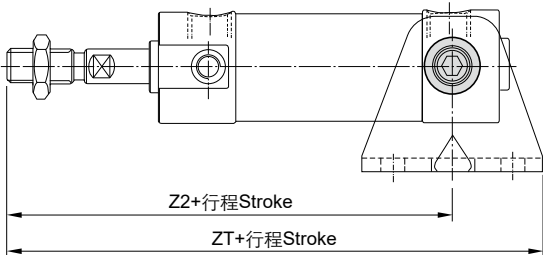
轻巧型气缸
Light Air Cylinder
Series **KCG1**

外形尺寸图 Dimensions (mm)

KC(D)G1U



KC(D)G1T

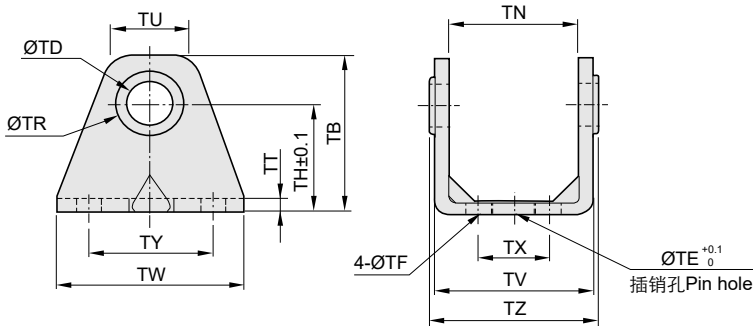


零件号 Part No.	缸径 Bore size	B	TD	TH	TR	TS	TZ	Z1	Z2	ZT	ZU
FCG-T020	20	38	8 ^{-0.025 -0.047}	25	39	28	51	46	93	114	106
FCG-T025	25	45.5	10 ^{-0.025 -0.047}	30	43	33	57.9	51	98	119	111
FCG-T032	32	54	12 ^{-0.032 -0.059}	35	54.5	40	73.3	51	101	125	113
FCG-T040	40	63.5	14 ^{-0.032 -0.059}	40	65.5	49	89.5	62	118	146	130
FCG-T050	50	79	16 ^{-0.032 -0.059}	50	80	60	109.2	71	136	168	150
FCG-T063	63	96	18 ^{-0.032 -0.059}	60	98	74	131	71	136	173	150

* 未标注尺寸与基本型相同。The unmentioned dimensions are same as the Basic type.

附件 Accessories

接座 Pivot bracket



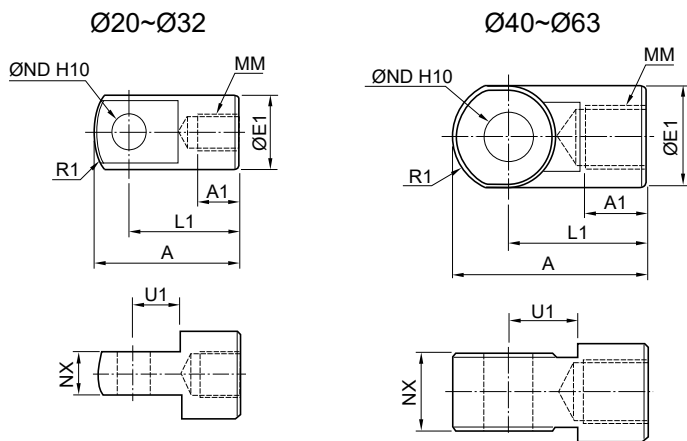
零件号 Part No.	缸径 Bore size	TB	TD	TE	TF	TH	TN	TR	TT
FCG-020-24A	20	36	8	10	5.5	25	29.3	13	3.2
FCG-025-24A	25	43	10	10	5.5	30	33.1	15	3.2
FCG-032-24A	32	50	12	10	6.6	35	40.4	17	4.5
FCG-040-24A	40	58	14	10	6.6	40	49.2	21	4.5
FCG-050-24A	50	70	16	20	9	50	60.4	24	6
FCG-063-24A	63	82	18	20	11	60	74.6	26	8

零件号 Part No.	缸径 Bore size	TU	TV	TW	TX	TY	TZ	插销外径 Pin O.D.
FCG-020-24A	20	18.1	35.8	42	16	28	38.3	8 ^{-0.040 -0.076}
FCG-025-24A	25	20.7	39.8	42	20	28	42.1	10 ^{-0.040 -0.076}
FCG-032-24A	32	23.6	49.4	48	22	28	53.8	12 ^{-0.050 -0.093}
FCG-040-24A	40	27.3	58.4	56	30	30	64.6	14 ^{-0.050 -0.093}
FCG-050-24A	50	29.7	72.4	64	36	36	79.2	16 ^{-0.050 -0.093}
FCG-063-24A	63	34.3	90.4	74	46	46	97.2	18 ^{-0.050 -0.093}

轻巧型气缸
Light Air Cylinder
Series **KCG1**

外形尺寸图 Dimensions (mm)

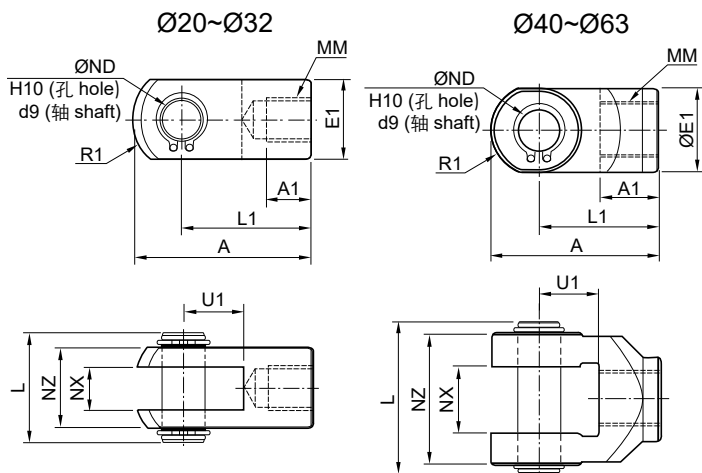
I型单肘节接头 I type single kunckle joint



零件号 Part No.	缸径 Bore size	A	A1	E1	L1	MM
FI-G02	20	34	8.5	16	25	M8x1.25
FI-G03	25, 32	41	10.5	20	30	M10x1.25
FI-G04	40	42	14	22	30	M14x1.5
FI-G05	50, 63	56	18	28	40	M18x1.5

零件号 Part No.	缸径 Bore size	ND	NX	NZ	R1	U1
FI-G02	20	8 ^{+0.058} ₀	8 ^{-0.2} _{-0.4}	16	10.3	11.5
FI-G03	25, 32	10 ^{+0.058} ₀	10 ^{-0.2} _{-0.4}	20	12.8	14
FI-G04	40	10 ^{+0.058} ₀	18 ^{-0.3} _{-0.5}	36	12	14
FI-G05	50, 63	14 ^{+0.070} ₀	22 ^{-0.3} _{-0.5}	44	16	20

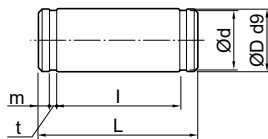
Y型双肘节接头 Y type double kunckle joint



零件号 Part No.	缸径 Bore size	A	A1	E1	L	L1	MM
FY-G02	20	34	8.5	□ 16	21	25	M8x1.25
FY-G03	25, 32	41	10.5	□ 20	25.6	30	M10x1.25
FY-G04	40	42	16	22	41.6	30	M14x1.5
FY-G05	50, 63	56	20	28	50.6	40	M18x1.5

零件号 Part No.	缸径 Bore size	ND	NX	NZ	R1	U1
FY-G02	20	8	8 ^{+0.4} _{+0.2}	16	10.3	11.5
FY-G03	25, 32	10	10 ^{+0.4} _{+0.2}	20	12.8	14
FY-G04	40	10	18 ^{+0.5} _{+0.3}	36	12	14
FY-G05	50, 63	14	22 ^{+0.5} _{+0.3}	44	16	20

销子 Pin



适用双肘节接头 Applicable for Y type double knuckle joint

零件号 Part No.	缸径 Bore size	d	D	l	L	m	t	扣环 Snap ring
FIY-G02	20	7.6	8 ^{-0.04} _{-0.08}	16.2	21	1.5	0.9	STW-8
FIY-G03	25, 32	9.6	10 ^{-0.04} _{-0.08}	20.2	25.6	1.55	1.15	STW-10
FIY-G04	40	9.6	10 ^{-0.04} _{-0.08}	36.2	41.6	1.55	1.15	STW-10
FIY-G05	50, 63	13.4	14 ^{-0.05} _{-0.093}	44.2	50.6	2.05	1.15	STW-14

适用双U型钩 Applicable for double clevis

零件号 Part No.	缸径 Bore size	d	D	l	L	m	t	扣环 Snap ring
FCD-G02	20	7.6	8 ^{-0.04} _{-0.076}	38.6	43.4	1.5	0.9	STW-8
FCD-G2.5	25	9.6	10 ^{-0.05} _{-0.076}	42.6	48	1.55	1.15	STW-10
FCD-G03	32	11.5	12 ^{-0.05} _{-0.093}	54	59.4	1.55	1.15	STW-12
FCD-G04	40	13.4	14 ^{-0.05} _{-0.093}	65	71.4	2.05	1.15	STW-14
FCD-G05	50	15.2	16 ^{-0.05} _{-0.093}	79.6	86	2.05	1.15	STW-16
FCD-G06	63	17.0	18 ^{-0.05} _{-0.093}	97.8	105.4	2.45	1.35	STW-18