

磁耦式无杆气缸(直接安装)

Magnetically Coupled Rodless Air Cylinder

(Direct Mounting)

Series **KCY3R** (Ø6~Ø63)



规格 Specifications

缸径 Bore size (mm)	6	10	15	20	25	32	40	50	63
接管口径 Port size Rc(PT)	M3x0.5	M5x0.8			1/8			1/4	
使用流体 Fluid	过滤压缩空气 Filtered compressed air								
保证耐压力 Proof pressure (MPa)	1.05								
最高使用压力 Max. operating pressure (MPa)	0.7								
最低使用压力 Min. operating pressure (MPa)	0.16	0.16	0.16	0.16	0.15	0.14	0.12	0.12	0.12
环境及流体温度 Ambient and fluid temperature	0~60°C (未冻结 No freezing)								
*1) 活塞速度 Piston speed	50~500 mm/s								
缓冲 Cushion	橡胶缓冲 Rubber bumper								
行程公差 Stroke tolerance (mm)	~250: $^{+1.0}_0$ 251~1000: $^{+1.4}_0$ 1001~: $^{+1.8}_0$								
磁性保持力 Magnet holding force (N)	19.6	53.9	137	231	363	588	922	1471	2256
润滑 Lubrication	不需要 Not required								
*2) 安装方式	水平, 倾斜, 垂直 Horizontal, inclined, vertical								

*1). 当磁性开关安装在中间位置时, 活塞的最大速度应在 300mm/s 以下。

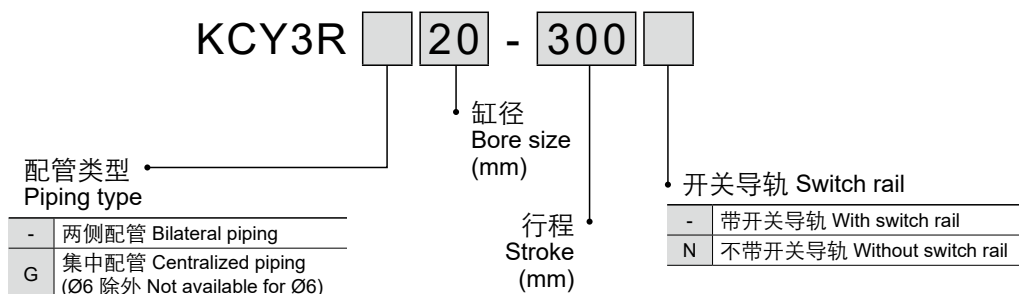
When an auto switch is installed at an intermediate position, keep the maximum piston speed at 300mm/s or below.

2). 垂直安装的情况下, 不能靠气动回路实现中停。When vertically mounting, it is impossible to perform an intermediate stop by means of a pneumatic circuit.

行程 / 磁性开关 Stroke/ Auto switch

缸径 Bore size (mm)	标准行程 Standard stroke (mm)	最长行程 Max. stroke (mm)		磁性开关 Auto Switch	开关固定码 Switch clamp
		不带开关 Without switch	带开关 With switch		
6	50, 100, 150, 200	300	300	D-M9BK	-
10	50, 100, 150, 200, 250, 300	500	500		
15	50, 100, 150, 200, 250, 300, 350, 400, 450, 500	1000	1000		
20	100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700, 800	1500	1000		
25			1200		
32	100, 150, 200, 250, 300, 350, 400, 450, 500, 600, 700, 800, 900, 1000	2000	2000	D-M9BK	PS
40					
50					
63					

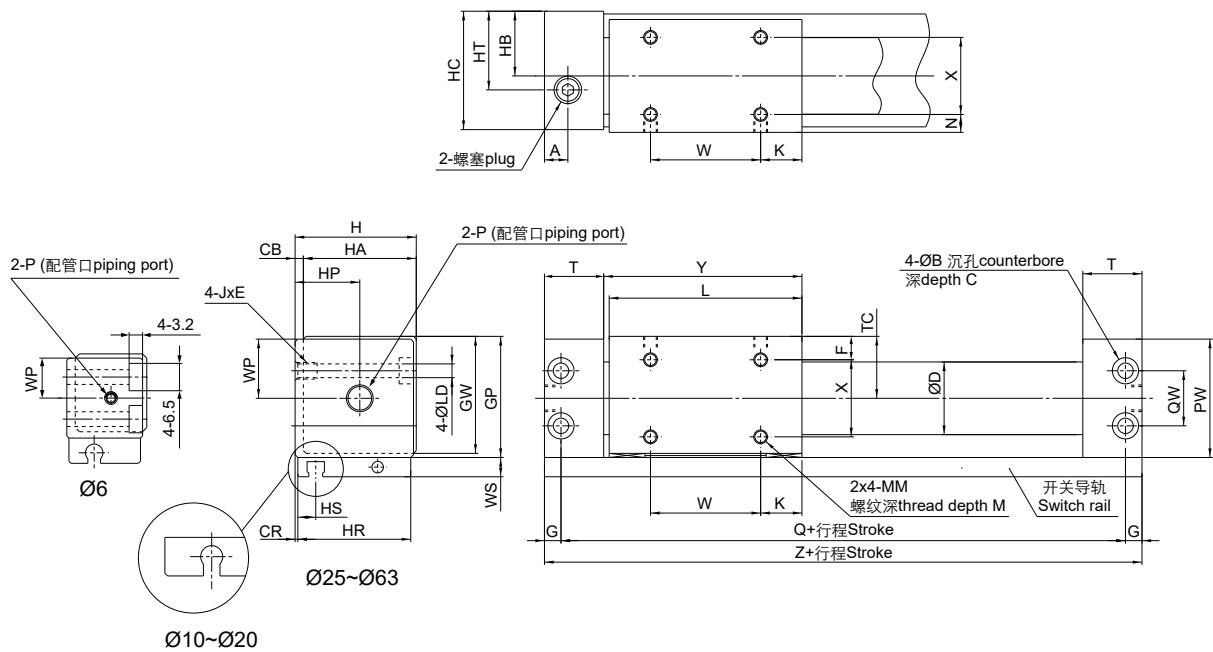
型号表示方法 How to Order



磁耦式无杆气缸(直接安装)
Magnetically Coupled Rodless Air Cylinder (Direct Mounting)
Series KCY3R

外形尺寸图 Dimensions (mm)

KCY3R (Ø6~Ø63)



缸径 Bore size	A	B	C	CB	CR	D	F	G	GP	GW	H	HA	HB	HC	HP	HR	HS	HT	J	E	K	L	LD	M	MM
6	7	-	-	2	0.5	7.6	5.5	3	20	18.5	19	17	10.5	18	10.5	17	6	10.5	M4x0.7	6	7	34 ⁰ _{-0.1}	3.5	3.5	M3x0.5
10	9	6.5	3.2	2	0.5	12	6.5	4	27	25.5	26	24	14	25	14	24	5	14	M4x0.7	6	9	38 ⁰ _{-0.1}	3.5	4	M3x0.5
15	10.5	8	4.2	2	0.5	16.6	8	5	33	31.5	32	30	17	31	17	30	8.5	17	M5x0.8	7	14	53 ⁰ _{-0.1}	4.3	5	M4x0.7
20	9	9.5	5.2	3	1	21.6	9	6	39	37.5	39	36	21	38	24	36	7.5	24	M6x1.0	8	11	62 ⁰ _{-0.1}	5.4	5	M4x0.7
25	8.5	9.5	5.2	3	1	26.4	8.5	6	44	42.5	44	41	23.5	43	23.5	41	6.5	23.5	M6x1.0	8	15	70 ⁰ _{-0.1}	5.4	6	M5x0.8
32	10.5	11	6.5	3	1.5	33.6	10.5	7	55	53.5	55	52	29	54	29	51	7	29	M8x1.25	10	13	76 ⁰ _{-0.1}	7	7	M6x1.0
40	10	11	6.5	5	2	41.6	13	7	65	63.5	67	62	36	66	36	62	8	36	M8x1.25	10	15	90 ⁰ _{-0.1}	7	8	M6x1.0
50	14	14	8.2	5	2	52.4	17	8.5	83	81.5	85	80	45	84	45	80	9	45	M10x1.5	15	25	110 ⁰ _{-0.2}	8.6	10	M8x1.25
63	15	14	8.2	5	3	65.4	18	8.5	95	93.5	97	92	51	96	51	90	9.5	51	M10x1.5	15	24	118 ⁰ _{-0.2}	8.6	10	M8x1.25

缸径 Bore size	N	P	PW	Q	QW	T	TC	W	WP	WS	X	Y	Z
6	3.5	M3x0.5	19	60	10	14.5	10.5	20	9.5	6	10	35.5	66
10	4.5	M5x0.8	26	68	14	17.5	14	20	13	8	15	39.5	76
15	6	M5x0.8	32	84	18	19	17	25	16	7	18	54.5	94
20	7	1/8	38	95	17	20.5	20	40	19	7	22	64	107
25	6.5	1/8	43	105	20	21.5	22.5	40	21.5	7	28	72	117
32	8.5	1/8	54	116	26	24	28	50	27	7	35	79	130
40	11	1/4	64	134	34	26	33	60	32	7	40	93	148
50	15	1/4	82	159	48	30	42	60	41	10	50	113	176
63	16	1/4	94	171	60	32	48	70	47	10	60	121	188

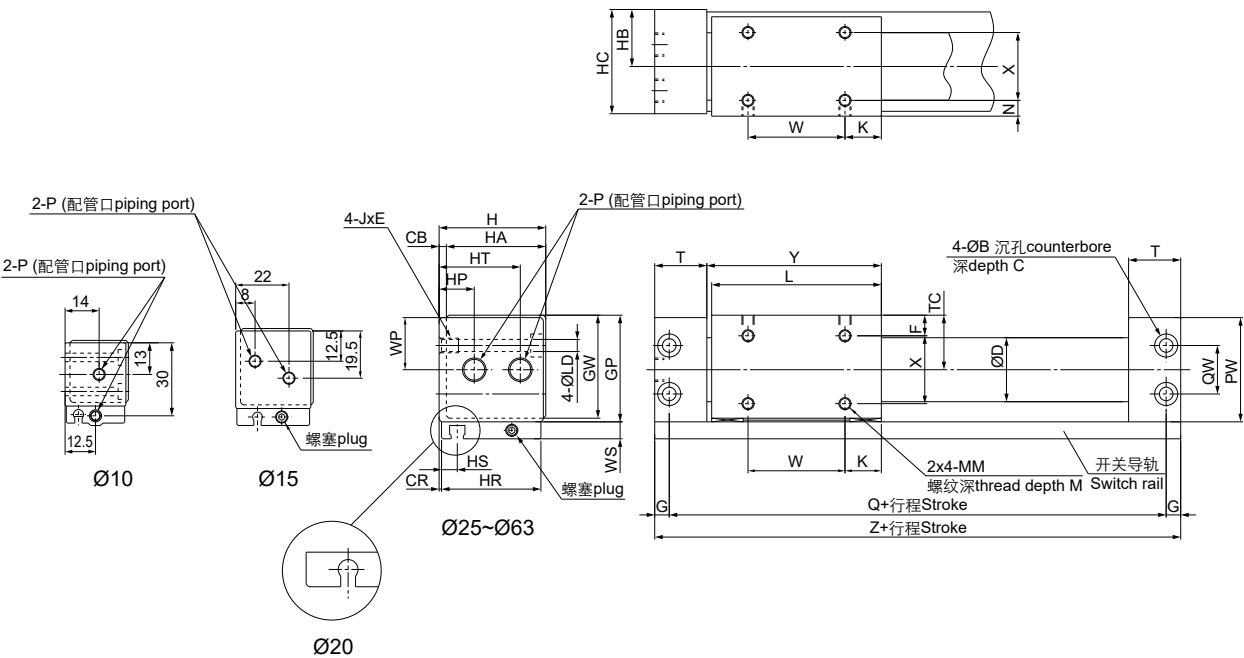
磁耦式无杆气缸(直接安装)

Magnetically Coupled Rodless Air Cylinder (Direct Mounting)

Series *KCY3R*

外形尺寸图 Dimensions (mm)

KCY3RG (Ø10~Ø63)



缸径 Bore size	B	C	CB	CR	D	F	G	GP	GW	H	HA	HB	HC	HP	HR	HS	HT	J	E	K	L	LD	M	MM	N
10	6.5	3.2	2	0.5	12	6.5	4	27	25.5	26	24	14	25	-	24	5	-	M4x0.7	6	9	38 ⁰ _{-0.1}	3.5	4	M3x0.5	4.5
15	8	4.2	2	0.5	16.6	8	5	33	31.5	32	30	17	31	-	30	8.5	-	M5x0.8	7	14	53 ⁰ _{-0.1}	4.3	5	M4x0.7	6
20	9.5	5.2	3	1	21.6	9	6	39	37.5	39	36	21	38	11	36	7.5	28	M6x1.0	8	11	62 ⁰ _{-0.1}	5.4	5	M4x0.7	7
25	9.5	5.2	3	1	26.4	8.5	6	44	42.5	44	41	23.5	43	14.5	41	6.5	33.5	M6x1.0	8	15	70 ⁰ _{-0.1}	5.4	6	M5x0.8	6.5
32	11	6.5	3	1.5	33.6	10.5	7	55	53.5	55	52	29	54	20	51	7	41	M8x1.25	10	13	76 ⁰ _{-0.1}	7	7	M6x1.0	8.5
40	11	6.5	5	2	41.6	13	7	65	63.5	67	62	36	66	25	62	8	50	M8x1.25	10	15	90 ⁰ _{-0.1}	7	8	M6x1.0	11
50	14	8.2	5	2	52.4	17	8.5	83	81.5	85	80	45	84	32	80	9	56	M10x1.5	15	25	110 ⁰ _{-0.2}	8.6	10	M8x1.25	15
63	14	8.2	5	3	65.4	18	8.5	95	93.5	97	92	51	96	35	90	9.5	63.5	M10x1.5	15	24	118 ⁰ _{-0.2}	8.6	10	M8x1.25	16

缸径 Bore size	P	PW	Q	QW	T	TC	W	WP	WS	X	Y	Z
10	M5x0.8	26	68	14	17.5	14	20	13	8	15	39.5	76
15	M5x0.8	32	84	18	19	17	25	16	7	18	54.5	94
20	1/8	38	95	17	20.5	20	40	19	7	22	64	107
25	1/8	43	105	20	21.5	22.5	40	21.5	7	28	72	117
32	1/8	54	116	26	24	28	50	27	7	35	79	130
40	1/4	64	134	34	26	33	60	32	7	40	93	148
50	1/4	82	159	48	30	42	60	41	10	50	113	176
63	1/4	94	171	60	32	48	70	47	10	60	121	188