MEMO

JCQ2 Series

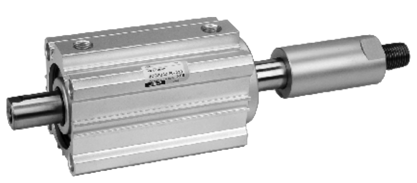
Compact Cylinder 薄型缸

CHAPTER 01 第1章

JCQ2B32-40
Standard ypte/Double cating
基本型/双作用

JCQ2B40-50M
Standard ypte/ Double cating/ Rod nel hread
基本型/双作用/杆端螺纹

JCQ2B40-50-XC6
Double ocr ypte
双杆型气缸

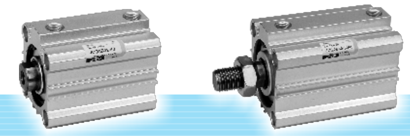


JCQ2B40-50-A30-XC8
Adjustable troke yclinder/extension dajustabe ypte
可变行程气缸/伸出可调型

JCQ2B40-50-A30-XC8
Dual troke yclinder/single ocr ypte
双行程气缸/单杆型

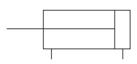
□JCQ2B12~100
□JCDQ2B12~100

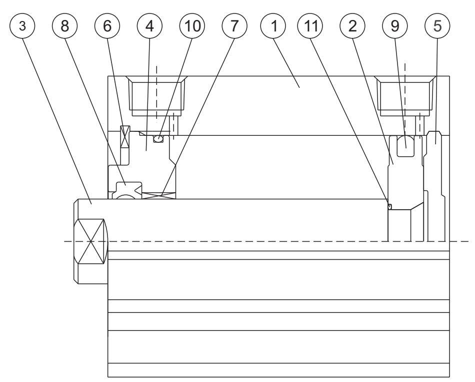
Compact Cylinder/Double acting 薄型缸/双作用



STRUCTURE 结构图

Notation 符号





PARTS LIST 零件表

No.编号	Name 名称	Materials 材料
1	Tube 缸筒	Alumium 铝合金
2	Piston 活塞	Alumium 铝合金
3	Piston Rod 活塞杆	S45C
4	Rod cover 前盖	Alumium 铝合金
5	Head cover 后盖	Alumium 铝合金
6	Snap Ring 孔用挡圈	HSWR 1
7	Bush 含油轴承	Du Bush
8	Piston rod seal 活塞杆密封圈	NBR
9	Piston seal 活塞密封圈	NBR
10.11	O-ring O型圈	NBR

SEAL LIST 密封件表

No. 编号	Name 名称	Inside diameter(mm)内径				
		12	16	20	25	32
8,9	Piston seal 活塞密封圈	PPW12	PPW16	PPW20	PPW25	PPW32
	Piston rod seal 活塞杆密封圈	MYA06	MYA08	MYA10A	MYA12	MYA16

No. 编号	Name 名称	Inside diameter(mm)内径				
		40	50	63	80	100
8,9	Piston seal 活塞密封圈	PPW40	PPW50	PPW63	PPW80	PPW100
	Piston rod seal 活塞杆密封圈	PRW16	PRW20	PRW20	PRW25	PRW30

※ The specification on each item can be amended without any prenotice to improve a performance.
※ The specification on each item can be different from actual specification.
※ 对产品性能的改善，不会预先通知。※ 规格描述可能与实际规格不完全相同。

SPECIFICATIONS 规格

Bore Size 缸径	12	16	20	25	32	40	50	63	80	100
Fluid 流体	Compressed Air 压缩空气									
Operating Type 动作方式	Double acting 双作用									
Proof Pressure 耐压	1.5MPa(15.2kgf/cm^2)									
Max. Operating Pressure 最高使用压力	1.0MPa(10.2kgf/cm^2)									
Ambient & Fluid Temp. 环境和流体温度	-10~70℃(Air , No freezing空气、未冻结)									
Rod end Thread 杆端螺纹	Female Thread(Standard) Male Thread(Optional)内螺纹(标准) 外螺纹(任选)									
Cushion 缓冲	None 无									
Stroke Length Tolerance 行程公差	$^{+1.0}_{0}$									
Lubrication 润滑	Non-lube(Use ISO VG32#)不需要(或者ISO VG32#)									
Mounted 安装方式	Double end Thread 两端螺孔									
Port 接管口径	M5×0.8				RC(PT)1/8		RC(PT)1/4		RC(PT)3/8	

ORDERING CODE 订购代码

JC D Q2 B 40 - 30 D M A73

Magnet 磁环

Blank 无记号	Without magnet 无内置磁环
D	With Magnet 内置磁环

Mounted Type 安装形式

B	Range thread(Standard type) 通孔内螺纹(基本型)
LB	Foot type 脚座型
FA	Rod-side flange type 杆侧法兰型
FB	Head-side flange type 无杆侧法兰型
CB	Double thread clevis type 双耳环型

Bore Size 缸径

12	Φ12	40	Φ40
16	Φ16	50	Φ50
20	Φ20	63	Φ63
25	Φ25	80	Φ80
32	Φ32	100	Φ100

Strocke 行程

Bore size 缸径	Standard Strocke Double acting 标准行程(mm)双作用
12, 16	5, 10, 15, 20, 25, 30
20, 25	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 75, 100
32, 40	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 75, 100
50, 63, 80, 100	5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 75, 100

Action 动作方式

D	Double acting 双作用
S	Single acting(spring return) 单作用(弹簧压回)
T	Single acting(spring extend) 单作用(弹簧压出)

Eligbility 可选项

Blank 无记号	Standard(Rod end female thread) 标准(杆端内螺纹)
C	Rubber bumper 橡胶缓冲
M	Rod end male thread 杆端外螺纹

Auto Switch 磁性开关型号

Blank 无记号	Without switch 无磁性开关

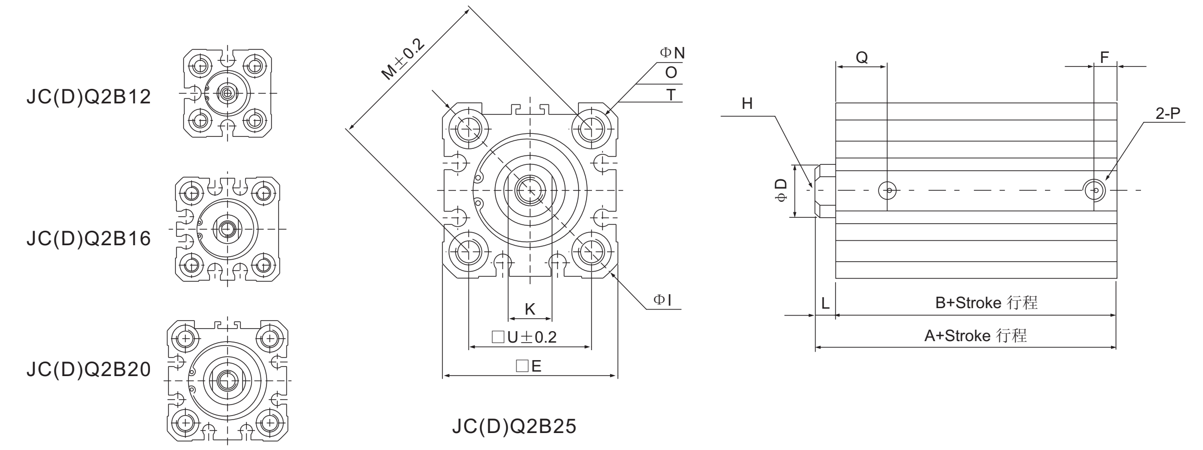
※详见磁性开关型号表

Number of switche 磁环开关个数

Blank 无记号	2个
S	1个
N	n个

STANDARD TYPE 基本型

Dimensions 外形尺寸



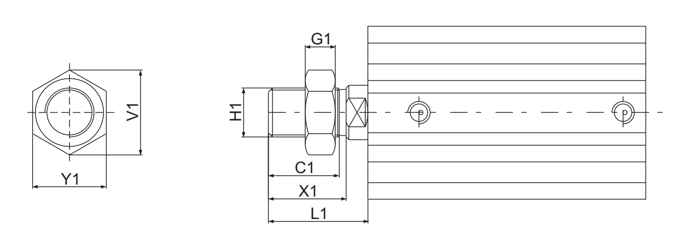
(mm)

Bore Size 缸径	Stroke Range 行程范围	Without Magnet 无磁性		With Magnet 带磁性		D	E	F	H	I	K	L	M	O	T
		A	B	A	B										
12	5~30	20.5	17.0	31.5	28.0	6	25	5.0	M3×0.5 DP 6	32	5	3.5	22	⌀6.5DP3.5	M4×0.7 DP10
16	5~30	22.0	18.5	34.0	30.5	8	29	5.5	M4×0.7 DP 8	38	6	3.5	28	⌀6.5DP3.5	M4×0.7 DP10
20	5~50	24.0	19.5	36.0	31.5	10	36	5.5	M5×0.8 DP 8	47	8	4.5	36	⌀8.6DP7.0	M6×1.0 DP17
25	5~50	27.5	22.5	37.5	32.5	12	40	5.5	M6×1.0 DP12	52	10	5.0	40	⌀9.0DP7.0	M6×1.0 DP17

Bore Size 缸径	Stroke Range 行程范围	N	P	Q	U
12	5~30	3.5	M5×0.8	7.5	16
16	5~30	3.5	M5×0.8	8.0	20
20	5~50	5.5	M5×0.8	10.5	25.5
25	5~50	5.5	M5×0.8	11.0	28

STANDARD TYPE/ROD END THREAD 基本型/杆端螺纹

Dimensions 外形尺寸

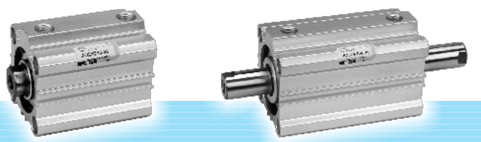


Bore Size 缸径	Stroke Range 行程范围	Y1	V1	G1	H1	C1	X1	L1
12	5~30	8	9.2	4	M5×0.8	9.0	10.5	14.0
16	5~30	10	9.2	5	M6×1.0	10.0	12.0	15.5
20	5~50,75,100	13	15.0	5	M8×1.25	12.0	14.0	18.5
25	5~50,75,100	17	19.6	6	M10×1.25	15.0	17.5	22.5

The other size is identical with a basic type
其它尺寸参照基本型

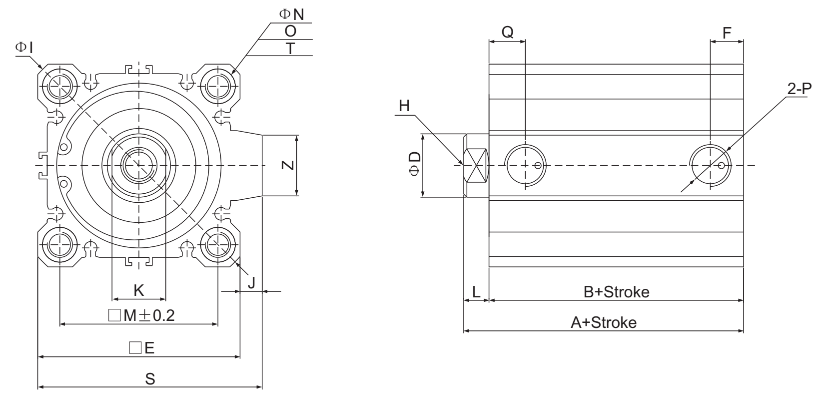
JCQ2 SERIES

Compact Cylinder/Double acting 薄型缸/双作用



STANDARD TYPE 基本型

Dimensions 外形尺寸



(mm)

Bore Size 缸径	Stroke Range 行程范围	Without Magnet 无磁性		With Magnet 带磁性		D	E	F	H	I	J	K	L	M	N	O
		A	B	A	B											
32	5~50	30.0	23.0	40.0	33.0	16	45	7.5	M8×1.25 DP 13	60	4.5	14	7.0	34	5.5	Φ9.0DP7.0
40	5~50	36.5	29.5	46.5	39.5	16	52	8.0	M8×1.25 DP 13	69	5.0	14	7.0	40	5.5	Φ9.0DP7.0
50	10~50	38.5	30.5	48.5	40.5	20	64	10.5	M10×1.5 DP 15	86	7.0	17	8.0	50	6.6	Φ11.0DP8.0
63	10~50	44.0	36.0	54.0	46.0	20	77	10.5	M10×1.5 DP 15	103	7.0	17	8.0	60	9.0	Φ14.0DP10.5
80	10~50	53.5	43.5	63.5	53.5	25	98	12.5	M16×2.0 DP 21	132	6.0	22	10.0	77	11.0	Φ17.5DP13.5
100	10~50	65.0	53.0	75.0	63.0	30	117	13.0	M20×2.5 DP 27	156	6.5	27	12.0	94	11.0	Φ17.5DP13.5

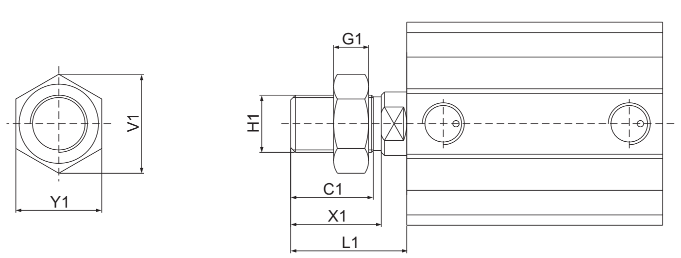
Bore Size 缸径	Stroke Range 行程范围	T	P	Q	S	Z
32	5~50	M6×1.0 DP 17	Rc(PT)1/8	10.5	49.5	18
40	5~50	M6×1.0 DP 17	Rc(PT)1/8	12.0	57	18
50	10~50	M8×1.25 DP 20	Rc(PT)1/4	11.5	71	22
63	10~50	M10×1.5 DP 20	Rc(PT)1/4	15.0	84	22
80	10~50	M12×1.75 DP 25	Rc(PT)3/8	16.0	104	26
100	10~50	M12×1.75 DP 30	Rc(PT)3/8	23.0	124	26

Long Stroke 长行程

Bore Size 缸径	Stroke Range 行程范围	A	B
32	75,100	40.0	33.0
40	75,100	46.5	39.5
50	75,100	48.5	40.5
63	75,100	54.0	46.0
80	75,100	63.5	53.5
100	75,100	75.0	63.0

STANDARD TYPE/ROD END THREAD 基本型/杆端螺纹

Dimensions 外形尺寸



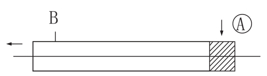
Bore Size 缸径	Stroke Range 行程范围	Y1	V1	G1	H1	C1	X1	L1
32	5~50	22	25.4	8	M14×1.5	20.5	23.5	28.5
40	5~50	22	25.4	8	M14×1.5	20.5	23.5	28.5
50	10~50	27	31.5	11	M18×1.5	26.0	28.5	33.5
63	10~50	27	31.5	11	M18×1.5	26.0	28.5	33.5
80	10~50	32	37.0	13	M22×1.5	32.5	35.5	43.5
100	10~50	41	39.0	16	M26×1.5	32.5	35.5	43.5

The other size is identical with a basic type
其它尺寸参照基本型

DOUBLE ROD TYPE 双杆型气缸

JCQ2B (Mounted type 安装形式) (Bore Size 缸径) — (Stroke 行程) (Additional notation 附加记号) — (XC6 双杆型气缸)

Notation 符号

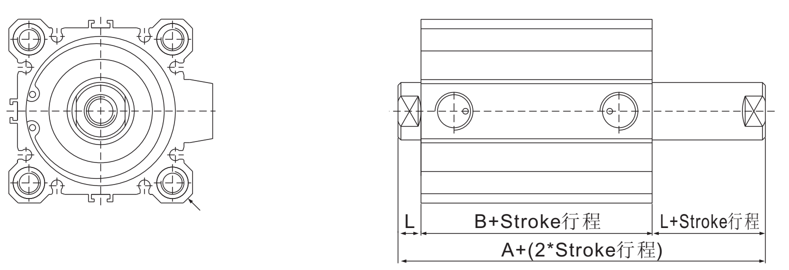


Specifications 规格

Bore Size 缸径	12	16	20	25	32	40	50	63	80	100
Fluid 流体	Compressed Air 压缩空气									
Operating Type 动作方式	Double acting 双作用									
Proof Pressure 耐压	1.5MPa(15.2kgf/cm^2)									
Max. Operating Pressure 最高使用压力	1.0MPa(1.02kgf/cm^2)									
Ambient & Fluid Temp. 环境和流体温度	-10~70℃(Air , No freezing空气、未冻结)									
Rod end Thread 杆端螺纹	Female Thread(Standard) Male Thread(Optional)内螺纹(标准) 外螺纹(任选)									
Cushion 缓冲	None 无									
Stroke Length Tolerance 行程公差	$^{+1.0}_{0}$									
Lubrication 润滑	Non-lube(Use ISO VG32#)不需要(或者ISO VG32#)									
Mounted 安装方式	Through-hole(Standard)Double end Thread(Optional)通孔(标准) 两端螺孔									
Port 接管口径	M5×0.8				RC(PT)1/8		RC(PT)1/4		RC(PT)3/8	

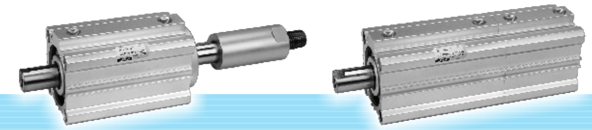
CONSTRUCTION MAJOR DIMENSIONS 结构/外形尺寸图

Dimensions 外形尺寸



Bore 缸径	Stroke Range 行程范围	With out magnet 无磁性		With magnet 带磁性		L
		A	B	A	B	
12	5~30	32.0	21.5	39.5	32.5	3.5
16	5~30	33.0	24	43.0	36.0	3.5
20	5~50	35.0	26	47.0	38.0	4.5
25	5~50	39.0	29	49.0	39.0	5.0
32	5~50	44.5	30.5	54.5	40.5	7.0
40	5~50	54.0	40	64.0	50.0	7.0
50	10~50	56.5	40.5	66.5	50.5	8.0
63	10~50	58.0	42	68.0	52.5	8.0
80	10~50	71.0	51	81.0	61.0	10.0
100	10~50	84.5	60.5	94.5	70.5	12.0

The other size is identical with a basic type
其它尺寸参照基本型



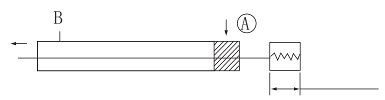
ADJUSTABLE STROKE CYLINDER/EXTENSION ADJUSTABE TYPE 可变行程气缸/伸出可调型

JCQ2B (Mounted type 安装形式) (Bore Size 缸径) — (Stroke 行程) (Additional notation 附加记号) (Stroke control 可调行程) — (XC8 可调整型气缸)

A: 0~25mm
B: 0~50mm

The stroke at extension of the cylinder can be adjusted by the stopper in the head side from full stroke 0~50mm.
汽缸伸出时可在整个行程长度0-50mm范围内进行可变调整。在头侧设置行程调整器，调整伸出侧的行程。

Notation 符号

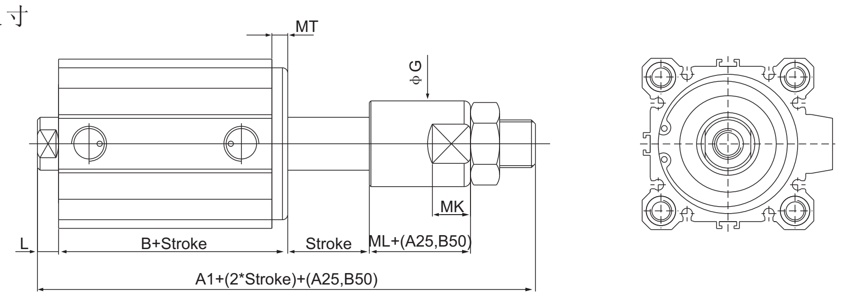


SPECIFICATIONS 规格

Bore Size 缸径	25	32	40	50	63	80	100
Fluid 流体	Compressed Air 压缩空气						
Operating Type 动作方式	Double acting双作用						
Proof Pressure 耐压	1.5MPa(15.2kgf/cm²)						
Max. Operating Pressure 最高使用压力	1.0MPa(10.2kgf/cm²)						
Ambient & Fluid Temp. 环境和流体温度	-10~70℃(Air , No freezing空气、未冻结)						
Rod end Thread 杆端螺纹	Female Thread(Standard) Male Thread(Optional)内螺纹(标准) 外螺纹(任选)						
Cushion 缓冲	None 无						
Stroke Length Tolerance 行程公差	$^{+1.0}_{0}$						
Lubrication 润滑	Non-lube(Use ISO VG32#)不需要(或者ISO VG32#)						
Mounted 安装方式	Double end Thread 两端螺孔						
Port 接管口径	M5×0.8	RC(PT)1/8		RC(PT)1/4		RC(PT)3/8	

CONSTRUCTION MAJOR DIMENSIONS 结构/外形尺寸图

Dimensions 外形尺寸



Bore 缸径	Stroke Range 制作行程范围	Without magnet 无磁性 A	Without magnet 无磁性 B	With magnet 带磁性 A	With magnet 带磁性 B	L	MT	ML	MK	G	MA
25	5~50	71.1	29	81.3	39	5	6	22.5	10	20	17
32	5~50	78.5	30.5	88.5	40.5	7	6	26	14	27	24
40	5~50	88	40	98	50	7	6	26	14	27	24
50	10~50	100.5	40.5	110.5	50.5	8	8	30	16	35	30
63	10~50	102	42	112	52	8	10	30	16	35	30
80	10~50	125	51	135	61	10	12	38	20	48	41
100	10~50	138.5	60.5	148.5	70.5	12	14	38	20	48	41

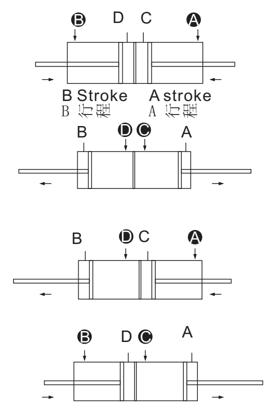
The other size is identical with a basic type
其它尺寸参照基本型

DUAL STROKE CYLINDER/DOUBLE ROD TYPE 双行程气缸/双杆型

JC(D)Q2B (Bore 缸径) — (Stroke A 行程A) — (Stroke B 行程B) D — (XC10)

动作方式 双行程双杆型

Symbol function 符号功能



When supply air pressure to Ⓐ Ⓑ port, A ,B stroke do backward motion.
当向A、B口供气时，A、B行程缩回

When supply air pressure to Ⓒ ,Ⓓ port, A stroke works.
当向C、D口供气时，A、B行程伸出

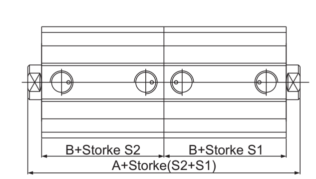
When supply air pressure to Ⓐ Ⓓ ports, B stroke extends and A retracts strokes.
当向A、D口供气时，B行程伸出A行程缩回

When supply air pressure to Ⓑ Ⓒ ports, A stroke extends and B retracts strokes.
当向B、C口供气时，A行程伸出B行程缩回

SPECIFICATIONS 规格

Bore Size 缸径	Φ12~Φ100
Fluid 流体	Compressed Air 压缩空气
Operating Type 动作方式	Double acting双作用
Proof Pressure 耐压	1.5MPa(15.2kgf/cm²)
Max. Operating Pressure 最高使用压力	1.0MPa(10.2kgf/cm²)
Ambient & Fluid Temp. 环境和流体温度	-10~70℃(Air , No freezing空气、未冻结)
Rod end Thread 杆端螺纹	Female Thread/ Male Thread 内螺纹/外螺纹
Cushion 缓冲	None 无
Stroke Length Tolerance 行程公差	$^{+1.0}_{0}$
Lubrication 润滑	Non-lube(Use ISO VG32#)不需要(或者ISO VG32#)
Mounted 安装方式	Double end Thread 两端螺孔

Dimensions 外形尺寸



Bore Size 缸径 (mm)	Stroke Range 行程范围	A 50 stroke or less	A 75,100	B 50 stroke or less	B 75,100
Φ12	5~30	41(63)	-	17(28)	-
Φ16	5~30	44(68)	-	18.5(30.5)	-
Φ20	5~50	48(72)	-	19.5(31.5)	-
Φ25	5~50	55(75)	-	22.5(32.5)	-
Φ32	5~50	60(80)	80(80)	23(23)	33(33)
Φ40	5~50	73(93)	93(93)	29.5(39.5)	39.5(39.5)
Φ50	5~50	77(97)	97(97)	30.5(40.5)	40.5(40.5)
Φ63	5~50	88(108)	108(108)	36(46)	46(46)
Φ80	5~50	107(127)	127(127)	43.5(53.5)	53.5(53.5)
Φ100	5~50	130(150)	150(150)	53(63)	63(63)

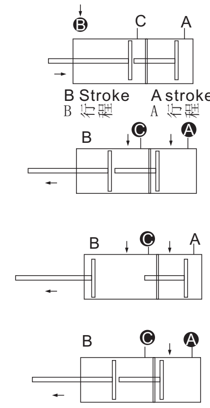
(   ) With Magnet 带磁环

DUAL STROKE CYLINDER/SINGLE ROD TYPE 双行程气缸/单杆型

JC(D)Q2B (Bore 缸径) — (Stroke A 行程A) — (Stroke B 行程B) D — (XC11)

动作方式 双行程代号

Symbol function 符号功能



When supply air pressure to Ⓑ port, A ,B stroke do backward motion.
当向B口供气时，A、B行程缩回

When supply air pressure to Ⓐ ,Ⓒ port, A stroke works.
当向A、C口供气时，A、B行程伸出

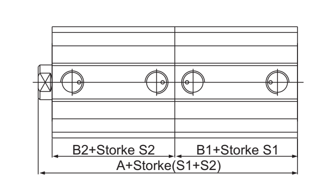
When supply air pressure to Ⓒ port, B-A stroke works.
当向C、D口供气时，B-A行程伸出

When supply air pressure to Ⓐ port, A stroke works.
当向A口供气时，A行程伸出

SPECIFICATIONS 规格

Bore Size 缸径	Φ20~Φ100
Fluid 流体	Compressed Air 压缩空气
Operating Type 动作方式	Double acting双作用
Proof Pressure 耐压	1.5MPa(15.2kgf/cm²)
Max. Operating Pressure 最高使用压力	1.0MPa(10.2kgf/cm²)
Ambient & Fluid Temp. 环境和流体温度	-10~70℃(Air , No freezing空气、未冻结)
Rod end Thread 杆端螺纹	Female Thread/ Male Thread 内螺纹/外螺纹
Cushion 缓冲	None 无
Stroke Length Tolerance 行程公差	$^{+1.0}_{0}$
Lubrication 润滑	Non-lube(Use ISO VG32#)不需要(或者ISO VG32#)
Mounted 安装方式	Double end Thread 两端螺孔

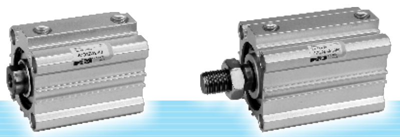
Dimensions 外形尺寸



Bore Size 缸径	A	B1	B2	L
Φ20	50(74)	19.5(31.5)	26(38)	4.5
Φ25	56.5(76.5)	22.5(32.5)	29(39)	5
Φ32	60.5(80.5)	23(33)	30.5(40.5)	7
Φ40	76.5(96.5)	29.5(39.5)	40(50)	7
Φ50	79(99)	30.5(40.5)	40.5(50.5)	8
Φ63	88(106)	36(46)	42(52)	8
Φ80	104.5(124.5)	43.5(53.5)	51(61)	10
Φ100	125.5(145.5)	53(63)	60.5(70.5)	12

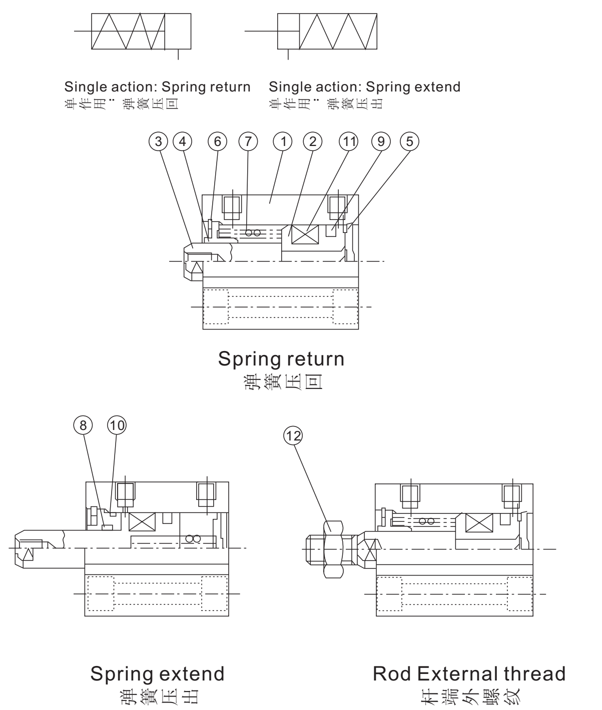
(   ) With Magnet 带磁环

Compact Cylinder/Single acting 薄型缸/单作用



INSIDE STRUCTURE DRAWINGS 结构图

Notation 符号



PARTS LIST 零件表

No. 编号	Name 名称	Materials 材料
1	Tube 缸筒	Alumium 铝合金
2	Piston 活塞	Alumium 铝合金
3	Piston Rod 活塞杆	S45C
4	Rod cover 前盖	Alumium 铝合金
5	Head cover 后盖	Alumium 铝合金
6	Snap Ring 孔用挡圈	HSWR 1
7	Spring 弹簧	65Mn
8	Rod Seal 活塞杆密封圈	NBR
9	Piston Seal 活塞密封圈	NBR
10	O-ring O型圈	NBR
11	Magnet 磁环	NdFeB
12	Rod Nut 活塞杆螺母	S20C

SEAL LIST 密封件表

No. 编号	Name 名称	Inside diameter(mm) 内径				
		12	16	20	25	32
8,9	Piston Seal 活塞密封圈	PPW12	PPW16	PPW20	PPW25	PPW32
	Rod Seal 活塞杆密封圈	MYA06	MYA08	MYA10A	MYA12	MYA16

No. 编号	Name 名称	Inside diameter(mm) 内径				
		40	50	63	80	100
8,9	Piston Seal 活塞密封圈	PPW40	PPW50	PPW63	PPW80	PPW100
	Rod Seal 活塞杆密封圈	PRW16	PRW20	PRW20	PRW25	PRW30

SPECIFICATIONS 规格

Bore Size 缸径	12	16	20	25	32	40	50
Fluid 流体	Compressed Air 压缩空气						
Operating Type 动作方式	Single acting 单作用						
Proof Pressure 耐压	1.5MPa(15.2kgf/cm²)						
Max. Operating Pressure 最高使用压力	1.0MPa(10.2kgf/cm²)						
Ambient & Fluid Temp. 环境和流体温度	-10~70℃(Air , No freezing空气、未冻结)						
Rod end Thread 杆端螺纹	Female Thread(Standard) Male Thread(Optional)内螺纹(标准) 外螺纹(任选)						
Cushion 缓冲	None 无						
Stroke Length Tolerance 行程公差	$^{+1.0}_{0}$						
Lubrication 润滑	Non-lube(Use ISO VG32#)不需要(或者ISO VG32#)						
Mounted 安装方式	Double end Thread 两端螺孔						
Port 接管口径	M5×0.8				RC(PT)1/8		RC(PT)1/4

ORDERING CODE 订购代码

JC D Q2 B 20 - 10 S M A73 [ ]

Magnet 磁环	
Blank	Without magnet 无内置磁环
D	With Magnet 内置磁环

Mounted Type 安装形式	
B	Range thread (Standard type) 通孔内螺纹(基本型)
LB	Foot type 脚座型
FA	Rod-side flange type 杆侧法兰型
FB	Head-side flange type 无杆侧法兰型
CB	Double thread clevis type 双耳环型

Bore Size 缸径	
12	Φ12
16	Φ16
20	Φ20
25	Φ25
32	Φ32
40	Φ40
50	Φ50

Strock 行程	
Bore size 缸径	Stardard Strock Single acting 标准行程(mm)单作用
12, 16	5~30
20~63	5~50

※Other type are available on request
※其它规格行程按客户要求

Action 动作方式	
S	Single acting(spring return) 单作用(弹簧压回)
T	Single acting(spring extend) 单作用(弹簧压出)

Eligbility 可选项	
Blank 无记号	Standard(Rod end female thread) 标准(杆端内螺纹)
C	Rubber bumper 橡胶缓冲
M	Rod end male thread 杆端外螺纹

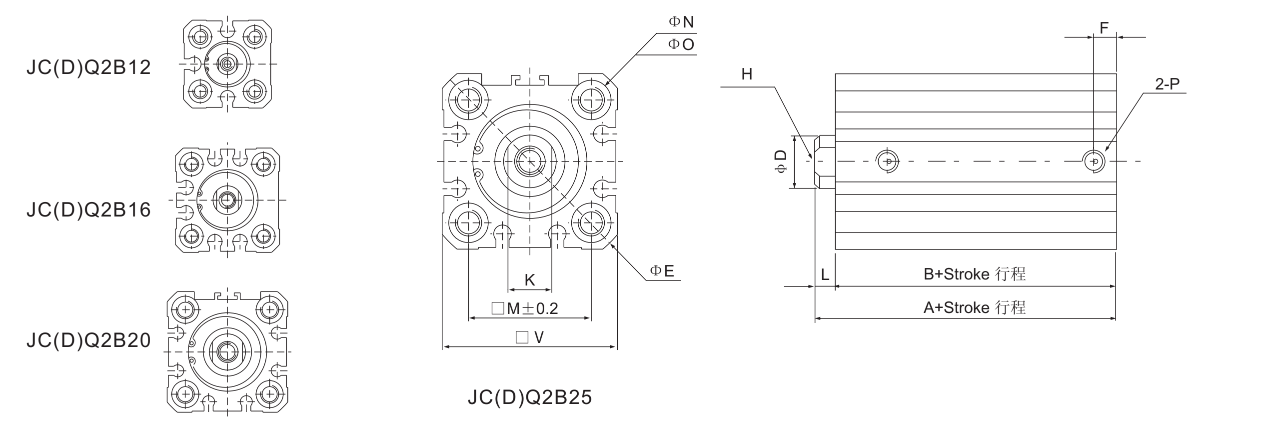
Auto Switch 磁性开关型号	
Blank 无记号	Without switch 无磁性开关

※详见磁性开关型号表

Number of switche 磁环开关个数	
Blank 无记号	2个
S	1个
N	n个

SPRING RETURN 弹簧压回

Dimensions 外形尺寸



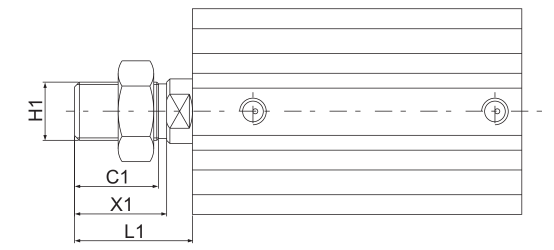
(mm)

Bore Size 缸径	Without Magnet 无磁性						With Magnet 带磁性						F	L	D	N	K	E	M	V	H	O
	A			B			A			B												
	1~10	11~30	31~50	1~10	11~30	31~50	1~10	11~30	31~50	1~10	11~30	31~50										
12	30.5	40.5	/	27	37	/	41.5	51.5	/	38	48	/	5.0	3.5	6	3.5	5	32	15.5	25	M3×0.5DP6	ϕ6.5DP3.5
16	32	42	/	28.5	38.5	/	44	54	/	40.5	50.5	/	5.5	3.5	8	3.5	6	38	20	29	M4×0.7DP8	ϕ6.5DP3.5
20	34	44	/	29.5	39.5	/	46	56	/	41.5	51.5	/	5.5	4.5	10	5.5	8	47	25.5	36	M5×0.8DP8	ϕ9.0DP7.0
25	37.5	47.5	52.5	32.5	42.5	47.5	47.5	57.5	62.5	42.5	52.5	57.5	5.5	5.0	12	5.5	10	52	28	40	M6×1.0DP12	ϕ9.0DP7.0

The other size is identical with a basic type
其它尺寸参照基本型

SPRING RETURN/ROD END THREAD 弹簧压回/杆端螺纹

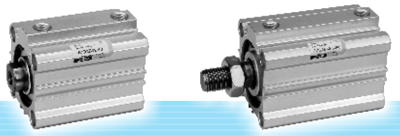
Dimensions 外形尺寸



(mm)

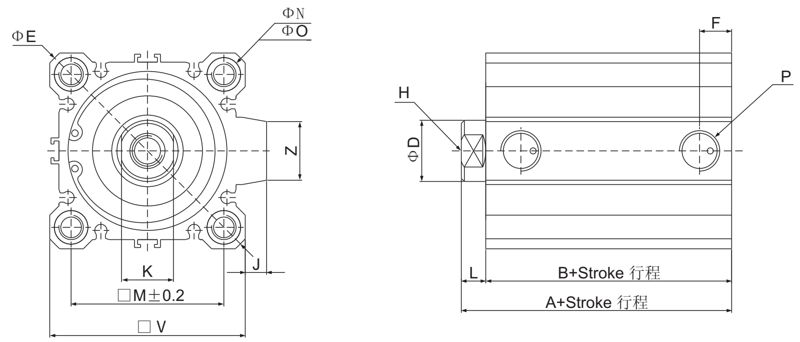
Bore Size 缸径	L1	C1	H1	X1
12	14	9	M5×0.8	10.5
16	15.5	10	M6×1.0	12
20	18.5	12	M8×1.25	14
25	22.5	15	M10×1.25	17.5

The other size is identical with a basic type
其它尺寸参照基本型



SPRING RETURN 弹簧压回

Dimensions 外形尺寸



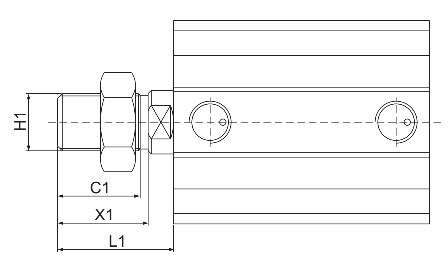
(mm)

Bore Size 缸径	Without Magnet 无磁性						With Magnet 带磁性						F	L	D	N	K	E	M	V	H	O
	A			B			A			B												
	1~10	11~30	31~50	1~10	11~30	31~50	1~10	11~30	31~50	1~10	11~30	31~50										
32	40	50	55	33	43	48	50	60	65	43	53	58	7.5	7	16	5.5	14	60	34	45	M8×1.25DP13	ϕ9.0DP7
40	46.5	56.5	61.5	39.5	49.5	54.5	56.5	66.5	71.5	49.5	59.5	64.5	8	7	16	5.5	14	69	40	52	M8×1.25DP13	ϕ9.0DP7
50	48.5	58.5	62.5	40.5	50.5	55.5	58.5	68.5	73.5	50.5	60.5	65.5	10.5	8	20	6.6	17	86	50	64	M10×1.5DP15	ϕ11.0DP8
63	54	64	69	46	56	61	64	74	79	56	66	71	10.5	8	20	9	17	103	60	77	M10×1.5DP15	ϕ14.0DP10.5

Bore Size 缸径	J	P	Z
32	4.5	Rc(PT) 1/8	18
40	5	Rc(PT) 1/8	18
50	7	Rc(PT) 1/4	22
63	7	Rc(PT) 1/4	22

SPRING RETURN/ROD END THREAD 弹簧压回/杆端螺纹

Dimensions 外形尺寸



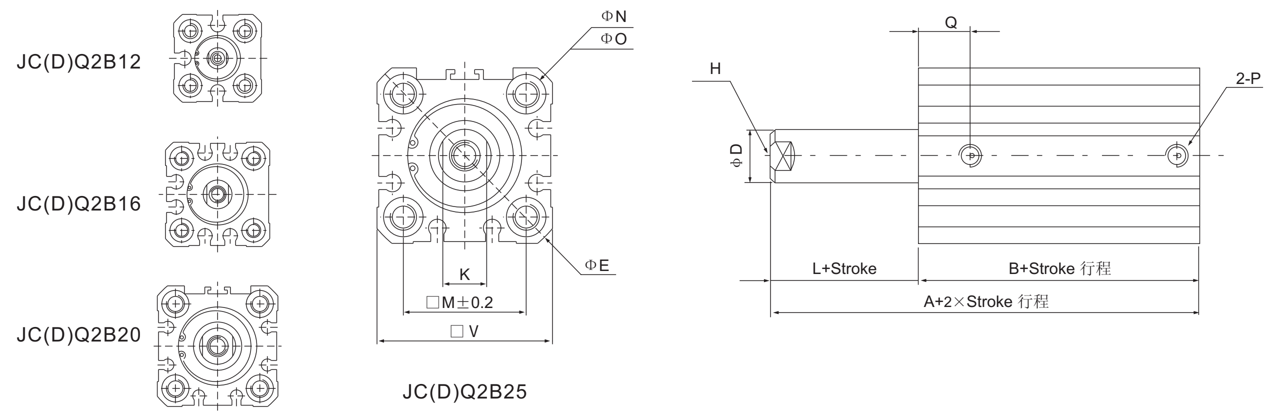
(mm)

Bore Size 缸径	L1	C1	H1	X1
32	28.5	20.5	M14×1.5	23.5
40	28.5	20.5	M14×1.5	23.5
50,63	33.5	26	M18×1.5	28.5

The other size is identical with a basic type
其它尺寸参照基本型

SPRING EXTEND 弹簧压出

Dimensions 外形尺寸



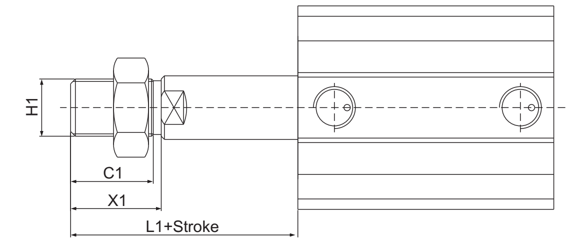
(mm)

Bore Size 缸径	Without Magnet 无磁性						With Magnet 带磁性						Q	L	D	N	K	E	M	V	H	O
	A			B			A			B												
	1~10	11~30	31~50	1~10	11~30	31~50	1~10	11~30	31~50	1~10	11~30	31~50										
12	30.5	40.5	/	27	37	/	41.5	51.5	/	38	48	/	7.5	3.5	6	3.5	5	32	15.5	25	M3×0.5DP6	ϕ6.5DP3.5
16	32	42	/	28.5	38.5	/	44	54	/	40.5	50.5	/	8.0	3.5	8	3.5	6	38	20	29	M4×0.7DP8	ϕ6.5DP3.5
20	34	44	/	29.5	39.5	/	46	56	/	41.5	51.5	/	10.5	4.5	10	5.5	8	47	25.5	36	M5×0.8DP8	ϕ9.0DP7.0
25	37.5	47.5	52.5	32.5	42.5	47.5	47.5	57.5	62.5	42.5	52.5	57.5	11	5	12	5.5	10	52	28	40	M6×1.0EP12	ϕ9.0DP7.0

The other size is identical with a basic type
其它尺寸参照基本型

SPRING EXTEND/ROD END THREAD 弹簧压出/杆端螺纹

Dimensions 外形尺寸



(mm)

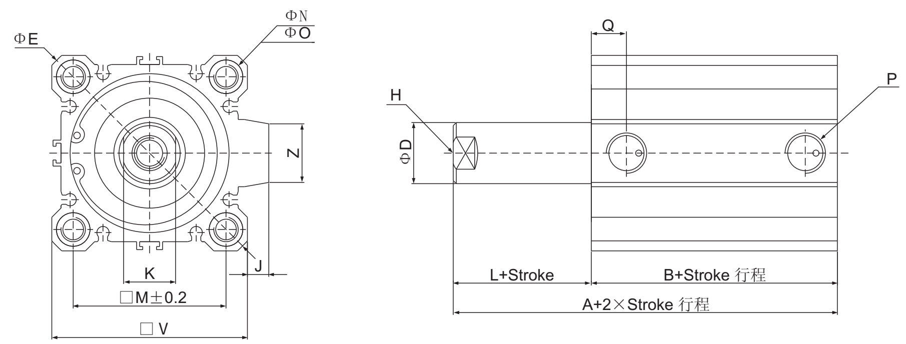
Bore Size 缸径	L1	C1	H1	X1
12	14	9	M5×0.8	10.5
16	15.5	10	M6×1.0	12
20	18.5	12	M8×1.25	14
25	22.5	15	M10×1.25	17.5

The other size is identical with a basic type
其它尺寸参照基本型

Compact Cylinder/Single acting 薄型缸/单作用

SPRING EXTEND 弹簧压出

Dimensions 外形尺寸



(mm)

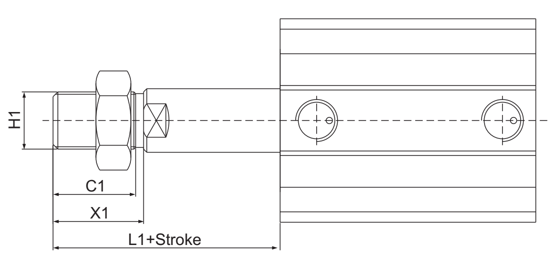
Bore Size 缸径	Without Magnet 无磁性						With Magnet 带磁性						Q	L	D	N	K	E	M	V	H	O
	A			B			A			B												
	1~10	11~30	31~50	1~10	11~30	31~50	1~10	11~30	31~50	1~10	11~30	31~50										
32	40	50	55	33	43	48	50	60	65	43	53	58	10.5	7	16	5.5	14	60	34	45	M8×1.25DP13	ϕ9.0DP7
40	46.5	56.5	61.5	39.5	49.5	54.5	56.5	66.5	71.5	49.5	59.5	64.5	12	7	16	5.5	14	69	40	52	M8×1.25DP13	ϕ9.0DP7
50	48.5	58.5	62.5	40.5	50.5	55.5	58.5	68.5	73.5	50.5	60.5	65.5	11.5	8	20	6.6	17	86	50	64	M10×1.5DP15	ϕ11.0DP8
63	54	64	69	46	56	61	64	74	79	56	66	71	15	8	20	9	17	103	60	77	M10×1.5DP15	ϕ14.0DP10.5

Bore Size 缸径	J	P	Z
32	4.5	Rc(PT) 1/8	18
40	5	Rc(PT) 1/8	18
50	7	Rc(PT) 1/4	22
63	7	Rc(PT) 1/4	22

SPRING EXTEND/ROD END THREAD 弹簧压出/杆端螺纹

Dimensions 外形尺寸

Rod end thread
杆端螺纹



(mm)

Bore Size 缸径	L1	C1	H1	X1
32	28.5	20.5	M14×1.5	23.5
40	28.5	20.5	M14×1.5	23.5
50,63	33.5	26	M18×1.5	28.5

The other size is identical with a basic type
其它尺寸参照基本型

JCM22 Series
Small Size Cylinder 迷你缸

CHAPTER 02 第2章

JCDM2B20-50
Standard ypte/Double cating
基本型/双作用

JCDM2B32-100A
Standard ypte/With ira uschion
基本型/带气缓冲

JCDM2B25-B75-A50-XC10
Multiole nd troke odble od
双行程型气缸双杆型

JCDM2B25-B75-A50-XC11
Multiole nd troke odble-rod
双行程气缸单杆型

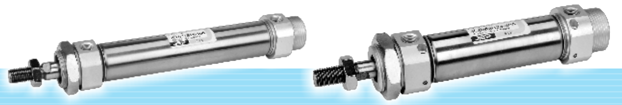
JCDM2B25-100-XC6
Double od ypte
双杆型

JCDM2B25-100-A25-XC8
Variable troke ylinder ypte/comtrol ypte foorwfard otion
行程可调气缸/伸出可调型

□JCDM2B20~40

JCM2 SERIES

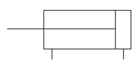
Small Size Cylinder/Double acting 迷你缸/双作用



JISP

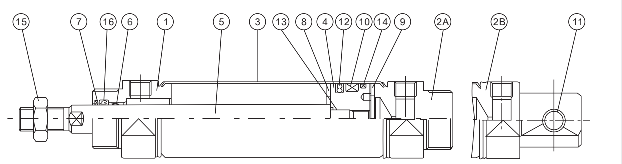
INSIDE STRUCTURE DRAWINGS 结构图

Notation 符号

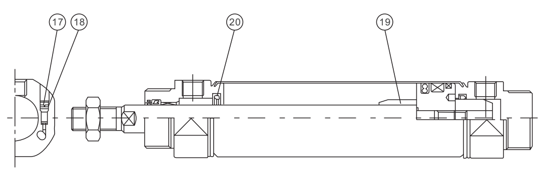


With Rubber Cushion
橡胶缓冲

One body clevis type
耳环一体型



Air Cushion
气缓冲



※ The specification on each item can be amended without any prenotice to improve a performance.
※ The specification on each item can be different from actual specification.
※ 对产品性能的改善，不会预先通知。※ 规格描述可能与实际规格不完全相同。

PARTS LIST 零件表

No. 编号	Name 名称	Materials 材料
1	Rod cover 前盖	Alumium 铝合金
2A	Head cover 后盖	Alumium 铝合金
2B	Head cover-CD 后盖CD式	Alumium 铝合金
3	Cylinder tube 缸筒	SUS304
4	Pistion 活塞	Alumium 铝合金
5	Pistion rod 活塞杆	S45C
6	Bush 含油轴承	Du Bush
7	Stopring 卡簧	65Mn
8,9	Damper 减震垫	Polyurethare 聚氨脂
10	Magnet 磁环	NdFeB
11	Bush 含油轴承	Du Bush
12	Pistion seal 活塞密封圈	NBR
13	Pistion O-Ring 活塞O型圈	NBR
14	Wearing 耐磨环	MoS_2
15	Rod Nut 活塞杆螺母	S20C
16	Rod Seal 活塞杆密封圈	NBR
17	Cushion valve 缓冲调节阀	Brass 铜
18	Cushion valve O-Ring 缓冲阀O型圈	NBR
19	Cushion ring 缓冲套	Alumium 铝合金
20	Cushion seal 缓冲圈	Polyurethare 聚氨脂

SEAL LIST 密封件表

No. 编号	Name 名称		Inside diameter(mm)内径 20	25	32	40
12	Pistion seal 活塞密封圈		PPW20	PPW25	PPW32	PPW40
16	Piston rod seal 活塞密杆封圈	Standard type 基本型	PRW10	PRW12	PRW12	PRW16
16	Piston rod seal 活塞密杆封圈	Air cushion 气缓冲	PRW8	PRW10	PRW12	PRW16
20	Cushion seal 缓冲圈		CUW10	CUW12	CUW16	CUW20

SPECIFICATIONS 规格

Bore Size 缸径	20	25	32	40
Fluid 流体	Compressed Air 压缩空气			
Operating Type 动作方式	Double acting 双作用			
Proof Pressure 耐压	1.5MPa(15.2kgf/cm^2)			
Max. Operating Pressure 最高使用压力	1.0MPa(10.2kgf/cm^2)			
Ambient & Fluid Temp. 环境和流体温度	-10~70℃(Air , No freezing空气、未冻结)			
Speed of work pisting 运行速度	50~750mm/sec			
Cushion 缓冲	Rubber Cushion/Air Cushion 橡胶缓冲/气缓冲			
Stroke Length Tolerance 行程公差	$^{+1.4}_{0}$			
Lubrication 润滑	Non-lube(Use ISO VG32#)不需要(或者ISO VG32#)			
Port 接管口径	RC(PT)1/8			RC(PT)1/4

ORDERING CODE 订购代码

JC D M2 B 40 - 30 D A J - C73 [ ]

Magnet 磁环

Blank 无记号	Without magnet 无内置磁环
D	With Magnet 内置磁环

Mounted Type 安装形式

B	Standard type 基本型
LB	轴向脚座型 Foot type
FA	杆侧法兰型 Rod-side flange type
FB	无杆侧法兰型 Head-side flange type
CA	单耳环型 Single thread clevis type
CB	双耳环型 Double thread clevis type
TR	杆侧耳轴型 Rod-side trunion type
TH	无杆侧耳轴型 Head-side trunion type
CD	耳环一体型 One-body clevis type

Bore Size 缸径

20	Φ20
25	Φ25
32	Φ32
40	Φ40

Strock 行程

Bore size 缸径	Stardard Strock Double acting 标准行程(mm)双作用
20, 25 32, 40	25, 50, 75, 100, 125 150, 200, 250, 300

Action 动作方式

D	Double acting 双作用
S	Single acting(spring return) 单作用(弹簧压回)
T	Single acting(spring extend) 单作用(弹簧压出)

Cushion 缓冲

Blank 无记号	Rubber bumper 橡胶缓冲
A	Air cushion 气缓冲

Bellows 保护套

Blank 无记号	无
J	Nylon Tauplin 尼龙套
K	Neoprene cross 耐热帆布

Auto Switch 磁性开关型号

Blank 无记号	Without switch 无磁性开关

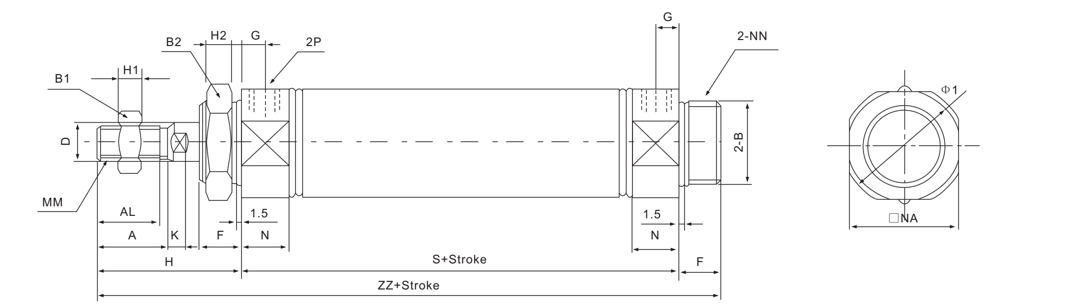
※详见磁性开关型号表
※未内置磁环无此项

Number of switche 磁环开关个数

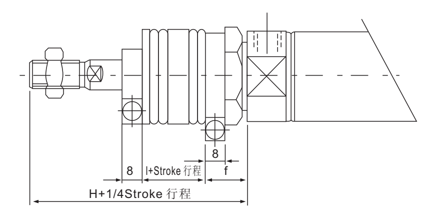
Blank 无记号	2个
S	1个
N	n个

STANDARD TYPE 基本型

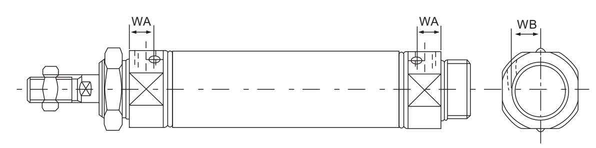
Dimensions 外形尺寸



With bellows
带防护套型



With air cushion
带气缓冲型



(mm)

Bore Size 缸径	Stroke Range 行程范围	A	AL	B_1	B_2	D	E	F	G	H	H_1	H_2	I	K	MM	N	NA	NN	P	S	ZZ
20	~300	18	15.5	13	26	10	$20^{0}_{-0.033}$	13	8	41	5	8	28	5	M8×1.25	15	24	M20×1.25	RC(PT)1/8	62	116
25	~300	22	19.5	17	32	12	$26^{0}_{-0.033}$	13	8	45	6	8	33.5	5.5	M10×1.25	15	30.0	M26×1.5	RC(PT)1/8	62	120
32	~300	22	19.5	17	32	12	$26^{0}_{-0.033}$	13	8	45	6	8	37.5	5.5	M10×1.25	15	34.5	M26×1.5	RC(PT)1/8	64	122
40	~300	24	21	22	41	16	$32^{0}_{-0.033}$	16	11	50	8	10	46.5	6	M14×1.5	21.5	42.5	M32×2	RC(PT)1/4	88	154

WITH BELLOWS 带防护型

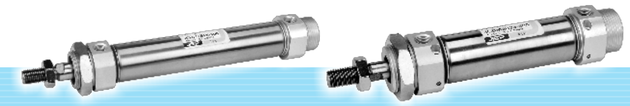
Bore Size 缸径	e	f	h 1~50	51~100	101~150	151~200	201~300	301~400	401~500	l 1~50	51~100	101~150	151~200	201~300	301~400	401~500
20	30	16	68	81	93	106	131	156	-	12.5	25	37.5	50	75	100	-
25	30	16	72	85	97	110	135	160	185	12.5	25	37.5	50	75	100	125
32	30	16	72	85	97	110	135	160	185	12.5	25	37.5	50	75	100	125
40	40	18	77	90	102	115	140	165	190	12.5	25	37.5	50	75	100	125

WITH AIR CUSHION 带气缓冲型

Bore Size 缸径	D	WA	WB
20	8.0	11.5	8.5
25	10.0	11.5	10
32	12.0	11.5	11.5
40	16.0	14.5	15

JCM2 SERIES

Small Size Cylinder/Double acting 迷你缸/双作用

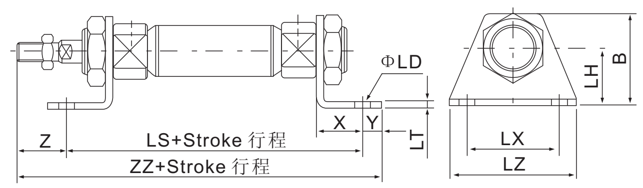


FOOT TYPE(LB) 脚座型

(mm)

Bore Size 缸径	Stroke Range 行程范围	B	ΦLD	LH	LS	LT	LX	LZ	X	Y	Z	ZZ
20	~400	40	6.8	25	102	3.2	40	55	20	8	21	131
25	~450	47	6.8	28	102	3.2	40	55	20	8	25	135
32	~450	47	6.8	28	104	3.2	40	55	20	8	25	137
40	~500	54	7	30	134	3.2	55	75	23	10	27	171

The other size is identical with a basic type
其它尺寸参照基本型

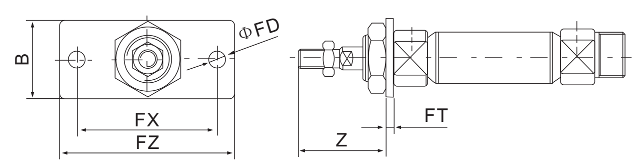


FLANGE TYPE(FA) 杆侧法兰型

(mm)

Bore Size 缸径	Stroke Range 行程范围	B	C2	ΦFD	FT	FX	FY	FZ	Z
20	~400	34	30	7	4	60	-	75	37
25	~450	40	37	7	4	60	-	75	41
32	~450	40	37	7	4	60	-	75	41
40	~500	52	47.3	7	5	66	36	82	45

The other size is identical with a basic type
其它尺寸参照基本型

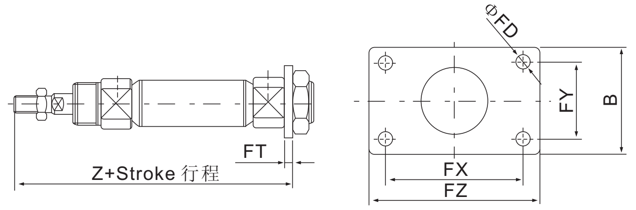


HEAD-SIDE FLANGE TYPE(FB) 无杆侧法兰型

(mm)

Bore Size 缸径	Stroke Range 行程范围	B	C2	ΦFD	FT	FX	FY	FZ	Z
20	~400	34	30	7	4	60	-	75	107
25	~450	40	37	7	4	60	-	75	111
32	~450	40	37	7	4	60	-	75	113
40	~500	52	47.3	7	5	66	36	82	143

The other size is identical with a basic type
其它尺寸参照基本型

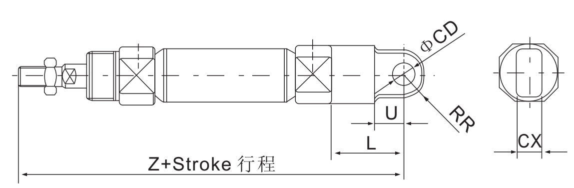


SINGLE THREAD CLEVIS TYPE(CA) 单耳环型

(mm)

Bore Size 缸径	Stroke Range 行程范围	CD	CX	L	RR	U	Z
20	~300	9	10	30	9	14	133
25	~300	9	10	30	9	14	137
32	~300	9	10	30	9	14	139
40	~300	10	15	39	11	18	177

The other size is identical with a basic type
其它尺寸参照基本型

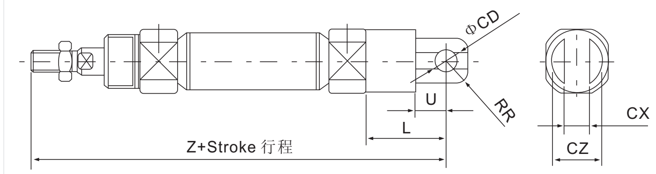


DOUBLE THREAD CLEVIS TYPE(CB) 双耳型

(mm)

Bore Size 缸径	Stroke Range 行程范围	CD	CX	CZ	L	RR	U	Z
20	~300	9	10	19	30	9	14	133
25	~300	9	10	19	30	9	14	137
32	~300	9	10	19	30	9	14	139
40	~300	10	15	30	39	11	18	177

The other size is identical with a basic type
其它尺寸参照基本型

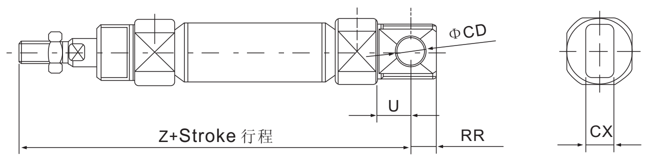


ONE-BODY CLEVIS TYPE(CD) 耳环一体型

(mm)

Bore Size 缸径	Stroke Range 行程范围	CD	CX	RR	U	Z
20	~300	8	12	9	12	115
25	~300	8	12	9	12	119
32	~300	10	20	12	15	124
40	~300	10	20	12	15	153

The other size is identical with a basic type
其它尺寸参照基本型

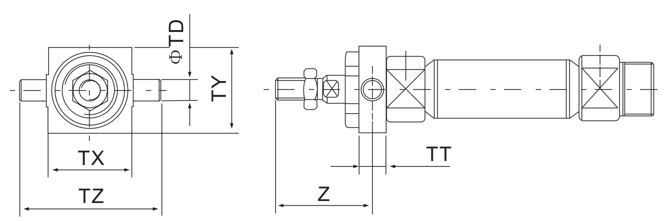


ROD-SIDE TRUNION TYPE(TR) 杆侧耳轴型

(mm)

Bore Size 缸径	Stroke Range 行程范围	TD	TT	TX	TY	TZ	Z
20	~300	8	10	32	32	52	36
25	~300	9	10	40	40	60	40
32	~300	9	10	40	40	60	40
40	~300	10	11	53	53	77	44.5

The other size is identical with a basic type
其它尺寸参照基本型

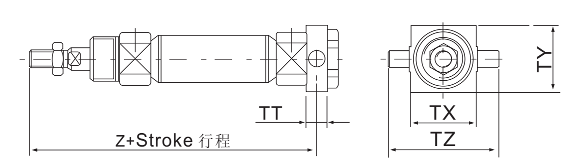


HEAD-SIDE TRUNION TYPE(TH) 无杆侧耳轴型

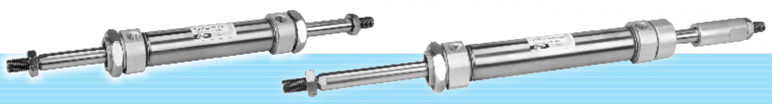
(mm)

Bore Size 缸径	Stroke Range 行程范围	TD	TT	TX	TY	TZ	Z
20	~300	8	10	32	32	52	108
25	~300	9	10	40	40	60	112
32	~300	9	10	40	40	60	114
40	~300	10	11	53	53	77	143.5

The other size is identical with a basic type
其它尺寸参照基本型



Small Size Cylinder/Double acting 迷你缸/双作用

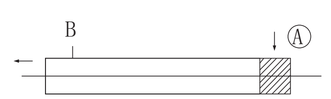


DOUBLE ROD TYPE 双杆型气缸

ORDERING CODE 订货代码

JCM2B (Mounted type 安装形式) (Bore Size 缸径) — (Stroke 行程) (Additional notation 附加记号) — (XC6 双杆型气缸)

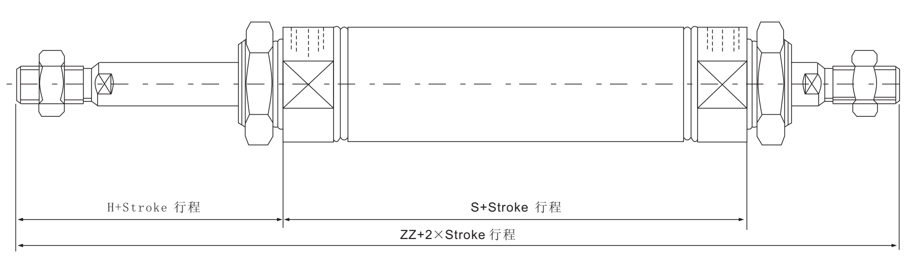
NOTATION 符号



SPECIFICATIONS 规格

Bore Size 缸径	20	25	32	40
Fluid 流体	Compressed Air 压缩空气			
Operating Type 动作方式	Double acting 双作用			
Proof Pressure 耐压	1.5MPa(15.2kgf/cm²)			
Max. Operating Pressure 最高使用压力	1.0MPa(10.2kgf/cm²)			
Ambient & Fluid Temp. 环境和流体温度	-10~70℃(Air , No freezing空气、未冻结)			
Speed of work pisting 运行速度	50~750mm/sec			
Cushion 缓冲	Rubber Cushion/Air Cushion 橡胶缓冲/气缓冲			
Stroke Length Tolerance 行程公差	$^{+1.4}_{0}$			
Lubrication 润滑	Non-lube(Use ISO VG32#)不需要(或者ISO VG32#)			
Mounted 安装方式	Basic type, Foot type 基本型，脚座型 Rod-side flarge type 杆侧法兰型 Rod-side trunion type 杆侧耳轴型			
Port 接管口径	Rc(PT)1/8			Rc(PT)1/4

DIMENSIONS 外形尺寸



(mm)

Bore Size 缸径	H	S	ZZ
20	41	62	144
25	45	62	152
32	45	64	154
40	50	88	188

The other size is identical with a basic type
其它尺寸参照基本型

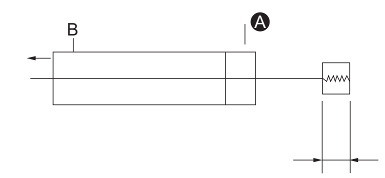
VARIABLE STROKE CYLINDER TYPE/COMTROL TYPE OF FORWARD MOTION 行程可调气缸/伸出可调型

ORDERING CODE 订货代码

JCM2B (Mounted type 安装形式) (Bore Size 缸径) — (Stroke 行程) (Additional notation 附加记号) — (Stroke control 可调行程) — (XC8伸出可调气缸型)

A: 0-25mm B: 0-50mm

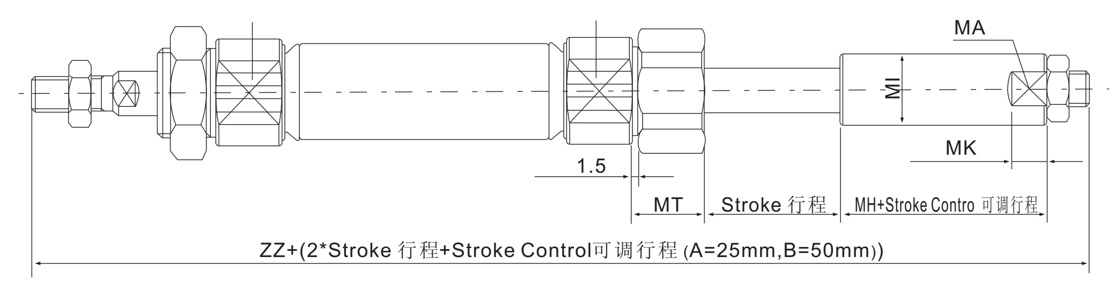
NOTATION 符号



SPECIFICATIONS 规格

Bore Size 缸径	20	25	32	40
Fluid 流体	Compressed Air 压缩空气			
Operating Type 动作方式	Double acting 双作用			
Proof Pressure 耐压	1.5MPa(15.2kgf/cm²)			
Max. Operating Pressure 最高使用压力	1.0MPa(10.2kgf/cm²)			
Ambient & Fluid Temp. 环境和流体温度	-10~70℃(Air , No freezing空气、未冻结)			
Speed of work pisting 运行速度	50~750mm/sec			
Stroke adjustable range 行程可调范围	A: 0~25mm, B: 0~50mm			
Cushion 缓冲	Rubber Cushion/Air Cushion 橡胶缓冲/气缓冲			
Stroke Length Tolerance 行程公差	$^{+1.4}_{0}$			
Lubrication 润滑	Non-lube(Use ISO VG32#)不需要(或者ISO VG32#)			
Mounted 安装方式	Basic type, Foot type 基本型，脚座型 Rod-side flarge type 杆侧法兰型 Rod-side trunion type 杆侧耳轴型			
Port 接管口径	Rc(PT)1/8			Rc(PT)1/4

DIMENSIONS 外形尺寸



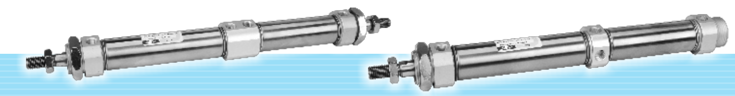
(mm)

Bore Size 缸径	MA	MK	MI	MT	MH	ZZ
20	14	10	16	16.5	47	150
25	17	10	20	17.5	49	156
32	17	10	20	17.5	49	158
40	22	16	25	21.5	60	198

The other size is identical with a basic type
其它尺寸参照基本型

JCM2 SERIES

Small Size Cylinder/Double acting 迷你缸/双作用



JISP

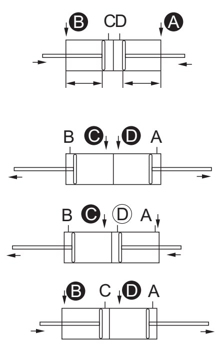
MULTIOLE END STROKE DOUBLE ROD 双行程型气缸双杆型

ORDERING CODE 订货代码

JCM2B (Mounted type 安装形式) (Bore Size 缸径) — (B, Stroke 行程) (Additional notation 附加记号) — (A, Stroke 行程) (Additional notation 附加记号) — (XC10 双行程双杆型气缸)

NOTATION 符号

Function 功能



When supply air pressure to A, B port, A, B stroke works.
当向A、B口供气时，A、B行程缩回

When supply air pressure to C, D port, A, B stroke works.
当向C、D口供气时，A、B行程伸出

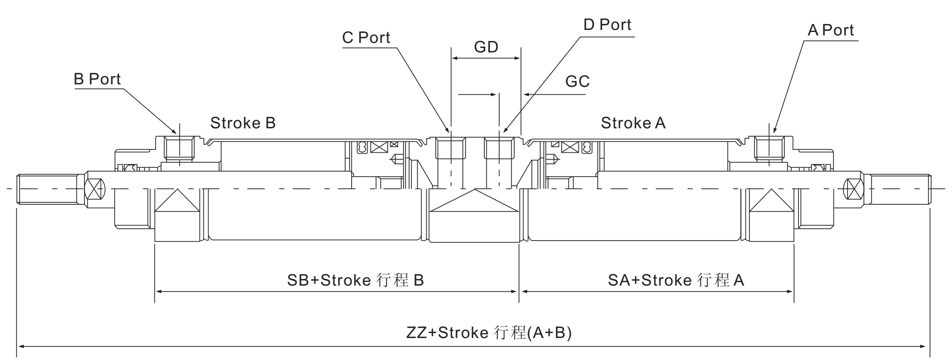
When supply air pressure to A, C port, A, B stroke works.
当向C、A口供气时，B行程伸出，A行程缩回

When supply air pressure to B, D port, A, B stroke works.
当向B、D口供气时，B行程缩回，A行程缩回

SPECIFICATIONS 规格

Bore Size 缸径	20	25	32	40
Fluid 流体	Compressed Air 压缩空气			
Operating Type 动作方式	Double acting 双作用			
Proof Pressure 耐压	1.5MPa(15.2kgf/cm^2)			
Max. Operating Pressure 最高使用压力	1.0MPa(10.2kgf/cm^2)			
Ambient & Fluid Temp. 环境和流体温度	10~70℃(Air , No freezing空气、未冻结)			
Speed of work pisting 运行速度	50~750mm/sec			
Cushion 缓冲	Rubber Cushion/Air Cushion 橡胶缓冲/气缓冲			
Stroke Length Tolerance 行程公差	$^{+1.4}_{0}$			
Lubrication 润滑	Non-lube(Use ISO VG32#)不需要(或者ISO VG32#)			
Mounted 安装方式	Basic type, Foot type 基本型，脚座型 Rod-side flarge type 杆侧法兰型 Rod-side trunion type 杆侧耳轴型			
Port 接管口径	Rc(PT)1/8			Rc(PT)1/4

DIMENSIONS 外形尺寸



(mm)

Bore Size 缸径	GC	GD	SA	SB	ZZ
20	7	24	47	78	207
25	7	24	47	78	215
32	7	24	49	80	219
40	10.5	33.5	66.5	110.5	227

The other size is identical with a basic type
其它尺寸参照基本型

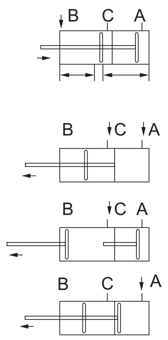
MULTIOLE END STROKE DOUBLE-ROD 双行程气缸单杆型

ORDERING CODE 订货代码

JCM2B (Mounted type 安装形式) (Bore Size 缸径) — (B,Stroke 行程) — (A, Stroke 行程) (Additional notation 附加记号) — (XC11 双行程单杆型气缸)

NOTATION 符号

Function 功能



When supply air pressure to B port, A, B stroke do backward motion
当向B口供气时，A、B行程缩回

When supply air pressure to A,C,Cport, A ,Bstroke works
当向C、A口供气时，A、B行程伸出

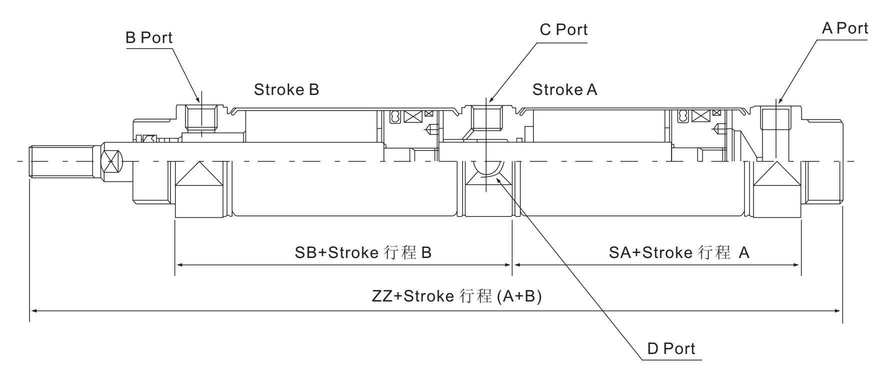
When supply air pressure to C,B-A stroke works
当向C口供气时，B-A行程伸出

When supply air pressure to A port,A stroke works
当向A口供气时，A行程伸出

SPECIFICATIONS 规格

Bore Size 缸径	20	25	32	40
Fluid 流体	Compressed Air 压缩空气			
Operating Type 动作方式	Double acting 双作用			
Proof Pressure 耐压	1.5MPa(15.2kgf/cm^2)			
Max. Operating Pressure 最高使用压力	1.0MPa(10.2kgf/cm^2)			
Ambient & Fluid Temp. 环境和流体温度	10~70℃(Air , No freezing空气、未冻结)			
Speed of work pisting 运行速度	50~750mm/sec			
Cushion 缓冲	Rubber Cushion/Air Cushion 橡胶缓冲/气缓冲			
Stroke Length Tolerance 行程公差	$^{+1.4}_{0}$			
Lubrication 润滑	Non-lube(Use ISO VG32#)不需要(或者ISO VG32#)			
Mounted 安装方式	Basic type, Foot type 基本型，脚座型 Rod-side flarge type 杆侧法兰型 Rod-side trunion type 杆侧耳轴型			
Port 接管口径	Rc(PT)1/8			Rc(PT)1/4

DIMENSIONS 外形尺寸



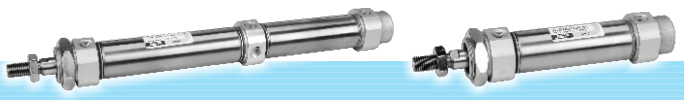
(mm)

Bore Size 缸径	SA	SB	ZZ
20	48	62	164
25	48	62	168
32	50	64	172
40	67.5	88.5	222

The other size is identical with a basic type
其它尺寸参照基本型

JCM2 SERIES

Small Size Cylinder/Double acting 迷你缸/双作用



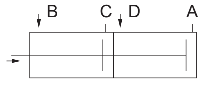
TANDEM CYLINDER 串联增压型气缸

ORDERING CODE 订货代码

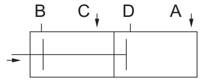
JCM2B — Mounted type 安装方式 — Bore Size 缸径 — B,Stroke 行程 — XC12 串联增压型气缸

NOTATION 符号

Function 功能



When supply air pressure to B and D port, storke works as backward motion.
当向B、D口供气时，A、B行程缩回



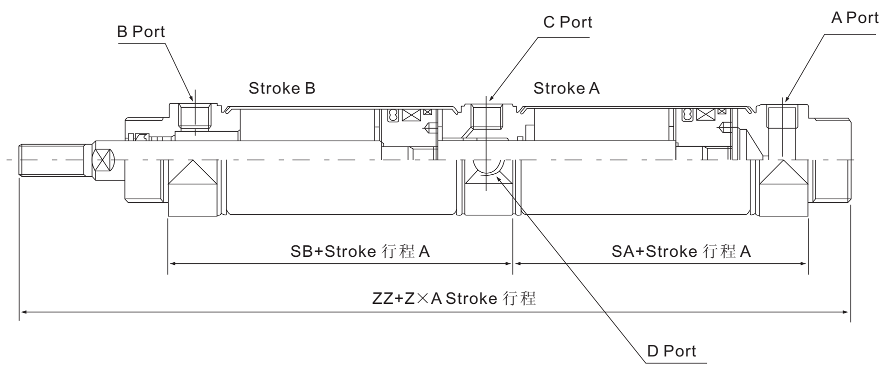
When supply air pressure to A C port, Can get twice more outputs.
当向C、A口供气时，A、B行程伸出

Outside dimension drawings 外形图

SPECIFICATIONS 规格

Bore Size 缸径	20	25	32	40
Fluid 流体	Compressed Air 压缩空气			
Operating Type 动作方式	Double acting 双作用			
Proof Pressure 耐压	1.5MPa(15.2kgf/cm^2)			
Max. Operating Pressure 最高使用压力	1.0MPa(10.2kgf/cm^2)			
Ambient & Fluid Temp. 环境和流体温度	-10~70℃(Air , No freezing空气、未冻结)			
Speed of work pisting 运行速度	50~750mm/sec			
Cushion 缓冲	Rubber Cushion/Air Cushion 橡胶缓冲/气缓冲			
Stroke Length Tolerance 行程公差	$^{+1.4}_{0}$			
Lubrication 润滑	Non-lube(Use ISO VG32#)不需要(或者ISO VG32#)			
Mounted 安装方式	Basic type, Foot type 基本型，脚座型 Rod-side flarge type 杆侧法兰型 Rod-side trunion type 杆侧耳轴型			
Port 接管口径	Rc(PT)1/8			Rc(PT)1/4

DIMENSIONS 外形尺寸

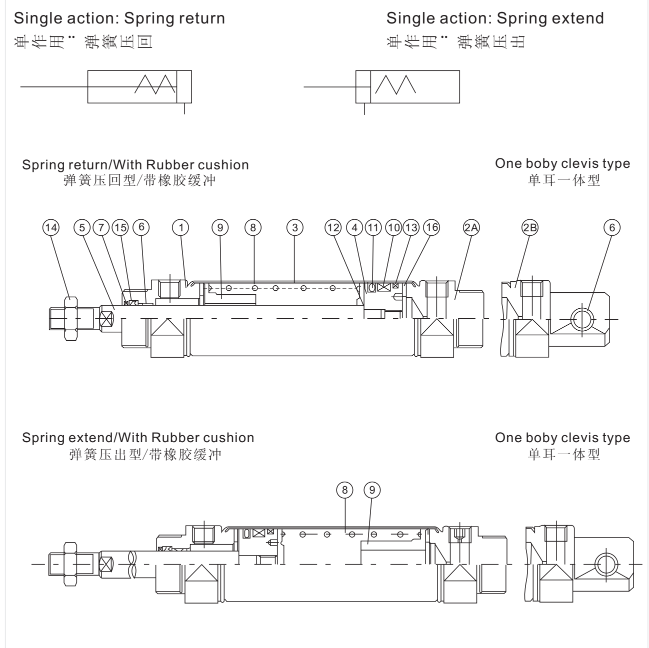


(mm)

Bore Size 缸径	SA	SB	ZZ
20	48	62	164
25	48	62	168
32	50	64	172
40	67.5	88.5	222

The other size is identical with a basic type
其它尺寸参照基本型

LNSIDE STRUCTURE DRAWING 内部结构图



PARTS LIST 零件表

No. 编号	Name 名称	Materials 材料
1	Rod cover 前盖	Alumium 铝合金
2A	Head cover 后盖	Alumium 铝合金
2B	Head cover-CD 后盖CD式	Alumium 铝合金
3	Cylinder tube 缸筒	SUS304
4	Pistion 活塞	Alumium 铝合金
5	Pistion rod 活塞杆	S45C
6	Bush 含油轴承	Du Bush
7	Stopring 卡簧	65Mn
8	Spring 弹簧	65Mn
9	Guide sleeve 导向套	Alumium 铝合金
10	Magnet 磁环	NdFeB
11	Pistion seal 活塞密封圈	NBR
12	Rod pistion O-Ring 活塞杆O型圈	NBR
13	Wearing 耐磨环	MoS2
14	Rod Nut 活塞杆螺母	S20C
15	Rod Seal 活塞杆密封圈	NBR
16	Damper 减震垫	Polyurethare 聚氨脂

SEAL LIST 密封件表

No. 编号	Name 名称	Inside diameter(mm)内径			
		20	25	32	40
12	Pistion seal 活塞密封圈	PPW20	PPW25	PPW32	PPW40
16	Rod Seal 活塞杆密封圈	PRW8	PRW10	PRW12	PRW16

SPECIFICATIONS 规格

Bore Size 缸径	20	25	32	40
Fluid 流体	Compressed Air 压缩空气			
Operating Type 动作方式	Single acting单作用			
Proof Pressure 耐压	1.5MPa(15.2kgf/cm^2)			
Max. Operating Pressure 最高使用压力	1.0MPa(10.2kgf/cm^2)			
Ambient & Fluid Temp. 环境和流体温度	-10~70℃(Air , No freezing空气、未冻结)			
Cushion 缓冲	Rubber Cushion 橡胶缓冲			
Stroke Length Tolerance 行程公差	$^{+1.4}_{0}$			
Lubrication 润滑	Non-lube(Use ISO VG32#)不需要(或者ISO VG32#)			
Port 接管口径	RC(PT)1/8			RC(PT)1/4

ORDERING CODE 订购代码

JC D M2 B 40 - 30 S A J - C73 [ ]

Magnet 磁环

Blank 无记号	Without magnet 无内置磁环
D	With Magnet 内置磁环

Mounted Type 安装形式

B	Standard type 基本型
LB	轴向脚座型 Foot type
FA	杆侧法兰型 Rod-side flange type
FB	无杆侧法兰型 Head-side flange type
CA	单耳环型 Single thread clevis type
CB	双耳环型 Double thread clevis type
TR	杆侧耳轴型 Rod-side trunion type
TH	无杆侧耳轴型 Head-side trunion type
CD	耳环一体型 One-body clevis type

Bore Size 缸径

20	Φ20
25	Φ25
32	Φ32
40	Φ40

Strock 行程

Bore size 缸径	Stardard Strock Double acting 标准行程(mm)双作用
20, 25 32, 40	25, 50, 75, 100, 125 150, 200, 250, 300

Action 动作方式

S	Single acting(spring return) 单作用(弹簧压回)
T	Single acting(spring extend) 单作用(弹簧压出)

Cushion 缓冲

Blank 无记号	Rubber bumper 橡胶缓冲
A	Air cushion 气缓冲

Bellows 保护套

Blank 无记号	无
J	Nylon Tauplin 尼龙套
K	Neoprene cross 耐热帆布

Auto Switch 磁性开关型号

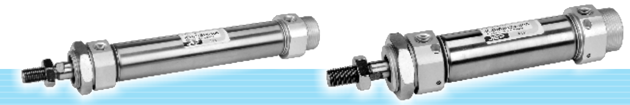
Blank 无记号	Without switch 无磁性开关

※详见磁性开关型号表
※未内置磁环无此项

Number of switche 磁环开关个数

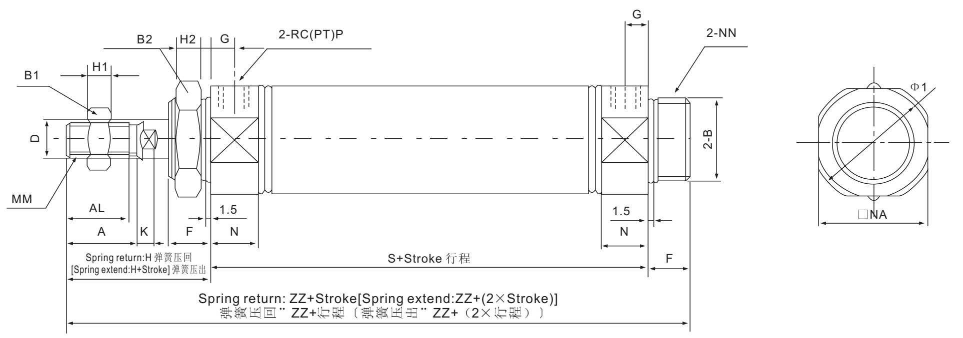
Blank 无记号	2个
S	1个
N	n个

Small Size Cylinder/Single acting 迷你缸/单作用

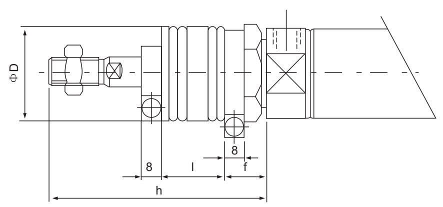


STANDARD TYPE 基本型

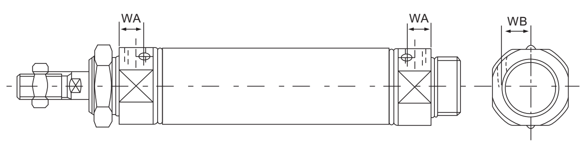
Dimensions 外形尺寸



With bellows
带防护套型



With air cushion
带气缓冲型



(mm)

Bore Size 缸径	Stroke Range 行程范围	A	AL	B_1	B_2	D	E	F	G	H	H_1	H_2	I	K	MM	N	NA	NN	P	S	ZZ
20	~300	18	15.5	13	26	10	$20^{0}_{-0.033}$	13	8	41	5	8	28	5	M8×1.25	15	24	M20×1.25	1/8	62	116
25	~300	22	19.5	17	32	12	$26^{0}_{-0.033}$	13	8	45	6	8	33.5	5.5	M10×1.25	15	30.0	M26×1.5	1/8	62	120
32	~300	22	19.5	17	32	12	$26^{0}_{-0.033}$	13	8	45	6	8	37.5	5.5	M10×1.25	15	34.5	M26×1.5	1/8	64	122
40	~300	24	21	22	41	16	$32^{0}_{-0.033}$	16	11	50	8	10	46.5	6	M14×1.5	21.5	42.5	M32×2	1/4	88	154

(mm)

Stroke 行程 / Bore Size 缸径	1~50			51~100		101~150		151~200		201~250	
	H	S	ZZ	S	ZZ	S	ZZ	S	ZZ	S	ZZ
20	41	87	141	112	166	137	191	-	-	-	-
25	45	87	145	112	170	137	195	-	-	-	-
32	45	89	147	114	172	139	197	164	-	222	-
40	50	113	179	138	204	163	229	188	213	254	279

The other size is identical with a basic type
其它尺寸参照基本型

With bellows 带防护型

(mm)

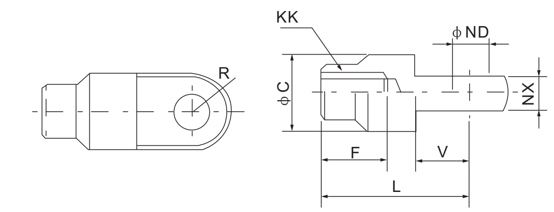
Bore Size 缸径	e	f	h							l						
			1~50	51~100	101~150	151~200	201~300	301~400	401~500	1~50	51~100	101~150	151~200	201~300	301~400	401~500
20	30	16	68	81	93	106	131	156	-	12.5	25	37.5	50	75	100	-
25	30	16	72	85	97	110	135	160	185	12.5	25	37.5	50	75	100	125
32	30	16	72	85	97	110	135	160	185	12.5	25	37.5	50	75	100	125
40	40	18	77	90	102	115	140	165	190	12.5	25	37.5	50	75	100	125

The other size is identical with a basic type
其它尺寸参照基本型

I JOINT I型接头

(mm)

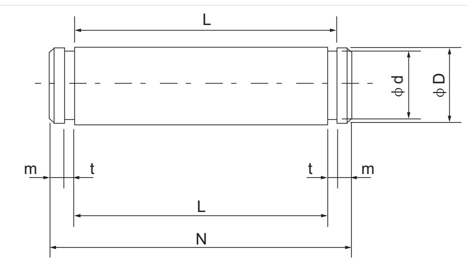
Bore Size 缸径	F	ϕE	L	KK	R	V	ϕND	NX
20	16	20	36	M8×1.25	10	14	$9^{+0.06}_{0}$	$9^{-0.1}_{-0.2}$
25.32	18	20	38	M10×1.25	10	14	$9^{+0.06}_{0}$	$9^{-0.1}_{-0.2}$
40	22	24	55	M14×1.50	15.5	20	$12^{+0.09}_{0}$	$16^{-0.1}_{-0.3}$



PIN FOR CLEVIS 连接销子

(mm)

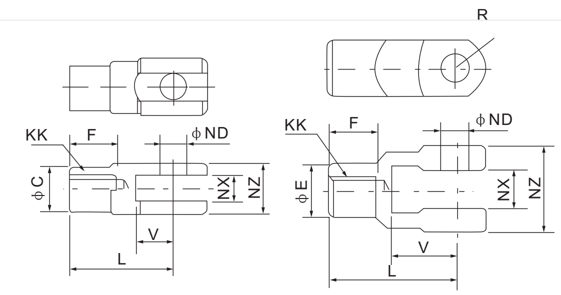
Bore Size 缸径	ϕD	ϕd	N	L	m	t	
20	$9^{-0.04}_{-0.08}$	8	25	19.2	1.75	1.15	
25.32	$9^{-0.04}_{-0.08}$	8	25	19.2	1.75	1.15	
40	$10^{-0.04}_{-0.09}$	9	36.5	30.2	1.85	1.3	For clevis
40	$12^{-0.04}_{-0.09}$	11	44.5	38.2	1.85	1.3	For Y-joint



Y JOINT Y型接头

(mm)

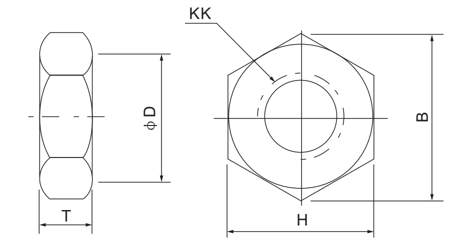
Bore Size 缸径	F	E	L	KK	R	V	ϕND	NX	NZ
20	16	20	36	M8×1.25	12	14	$9^{+0.06}_{0}$	$9^{-0.1}_{-0.2}$	18
25.32	18	20	38	M10×1.25	12	14	$9^{+0.06}_{0}$	$9^{-0.1}_{-0.2}$	18
40	22	24	55	M14×1.50	25	25	$12^{+0.09}_{0}$	$16^{-0.1}_{-0.3}$	38



MOUNTING NUT 安装螺母

(mm)

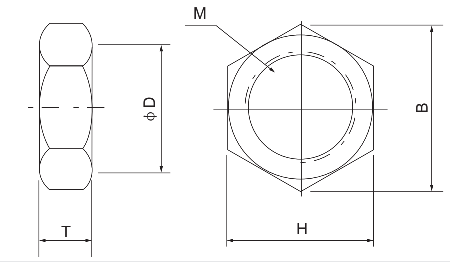
Bore Size 缸径	M	T	H	B	ϕD
20	M20×1.5	8	26	30	25.5
25.32	M26×1.5	8	32	37	31.5
40	M32×2.0	10	41	47.3	40.5



ROD NUT 活塞杆螺母

(mm)

Bore Size 缸径	M	T	H	B	ϕD
20	M8×1.25	5	13	15.0	12.5
25.32	M10×1.25	6	17	19.6	19.5
40	M14×1.25	8	22	25.4	21.0



MEMO

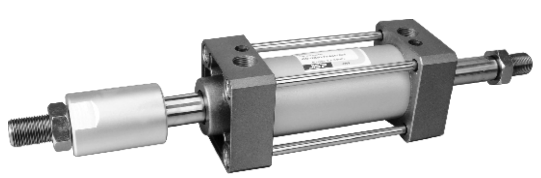
JCA2 Series

Medium Size Cylinder 标准缸

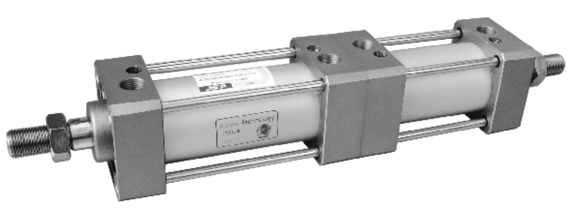
CHAPTER 03 第3章

JCDA2B40-100
Standard ypte/Double cating
基本型/双作用

JCDA2B50-75-XC6
Double od ypte
双杆型



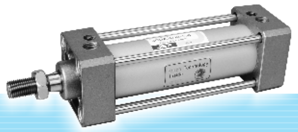
JCDA2B50-75-XC8
Variable troke ylinder ypte/control ypte foorward ortion
行程可调气缸/伸出可调型



JCDA2B50-75-XC10
Multiole nd troke odble od
双行程型气缸双杆型

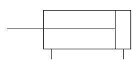
□JCDA2B40~100

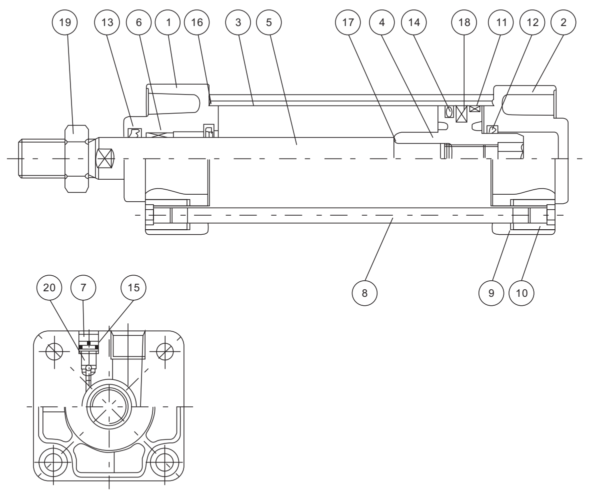
Medium size Cylinder/Double acting 标准缸/双作用



Inside structure drawings 结构图

Notation 符号





※ The specification on each item can be amended without any prenotice to improve a performance.
※ The specification on each item can be different from actual specification.
※ 对产品性能的改善，不会预先通知。※ 规格描述可能与实际规格不完全相同。

PARTS LIST 零件表

No. 编号	Name 名称	Materials 材料
1	Rod cover 前盖	Alumium 铝合金
2	Head cover 后盖	Alumium 铝合金
3	Cylinder tube 缸筒	Alumium 铝合金
4	Pistion 活塞	Alumium 铝合金
5	Pistion rod 活塞杆	S45C
6	Bush 含油轴承	Du Bush
7	Stopring 卡簧	65Mn
8	Tie Rod 拉杆	S20C
9	Tie Rod Washer 拉杆止退垫	65Mn
10	Tie Rod Nut 拉杆螺母	S20C
11	Wearing 耐磨环	MOS2
12	Cushion seal 缓冲圈	Polyurethare 聚氨脂
13	Rod Seal 活塞杆密封圈	NBR
14	Pistion seal 活塞密封圈	NBR
15	Cushion valve O-Ring 缓冲阀O型圈	NBR
16	Rod cover O-Ring 前盖O型圈	NBR
17	Rod Seal O-Ring 活塞杆O型圈	NBR
18	Magnet 磁环	NdFeB
19	Rod Nut 活塞杆螺母	S20C
20	Cushion valve 缓冲调节阀	Brass 铜

SEAL LIST 密封件表

No. 编号	Name 名称	Inside diameter(mm)内径				
		40	50	63	80	100
12	Cushion Seal 缓冲密封圈	CUW20	CUW25	CUW25	CUW30	CUW35
13	Rod Seal 活塞杆密封圈	PRW16	PRW20	PRW20	PRW25	PRW30
14	Piston Seal 活塞密封圈	PPW40	PPW50	PPW63	PPW80	PPW100

SPECIFICATIONS 规格

Bore Size 缸径	40	50	63	80	100
Fluid 流体	Compressed Air 压缩空气				
Operating Type 动作方式	Double acting 双作用				
Proof Pressure 耐压	1.5MPa(15.2kgf/cm^2)				
Max. Operating Pressure 最高使用压力	1.0MPa(10.2kgf/cm^2)				
Ambient & Fluid Temp. 环境和流体温度	-10~70℃(Air , No freezing空气、未冻结)				
Speed of work pisting 运行速度	50~500mm/sec				
Cushion 缓冲	Air Cushion 气缓冲				
Stroke Length Tolerance 行程公差	~250: $^{+1.0}_{0}$ 251~1000: $^{+1.4}_{0}$ 1001~1500: $^{+1.8}_{0}$				
Lubrication 润滑	Non-lube(Use ISO VG32#)不需要(或者ISO VG32#)				
Port 接管口径	RC(PT)1/4	RC(PT)3/8		RC(PT)1/2	

ORDERING CODE 订购代码

JC D A2 B 40 - 50 JN A54

Magnet 磁环	
Blank	Without magnet 无内置磁环
D	With Magnet 内置磁环

Mounted Type 安装形式	
B	Range thread(Standard type) 通孔内螺纹(基本型)
LB	Foot type 脚座型
FA	Rod-side flange type 杆侧法兰型
FB	Head-side flange type 无杆侧法兰型
CA	Single thread clevis type 单耳环型
CB	Double thread clevis type 双耳环型
TC	Center-side trunion type 中间耳轴型

Bore Size 缸径	
40	Φ40
50	Φ50
63	Φ63
80	Φ80
100	Φ100

Strock 行程	
Bore size 缸径	Stardard Strock Single acting 标准行程(mm)单作用
40	25, 50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400, 450, 500
50, 63	25, 50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400, 450, 500, 600
80, 100	25, 50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400, 450, 500, 600, 700

Additional Notation 附加记号		
Bellows 防护套	Blank 无记号	无
	J	Nylon Tauplin 尼龙套
	K	Neoprene cross 耐热帆布
Cushion 缓冲	Blank 无记号	Air Cushion 气缓冲
	N	None Cushion 无缓冲

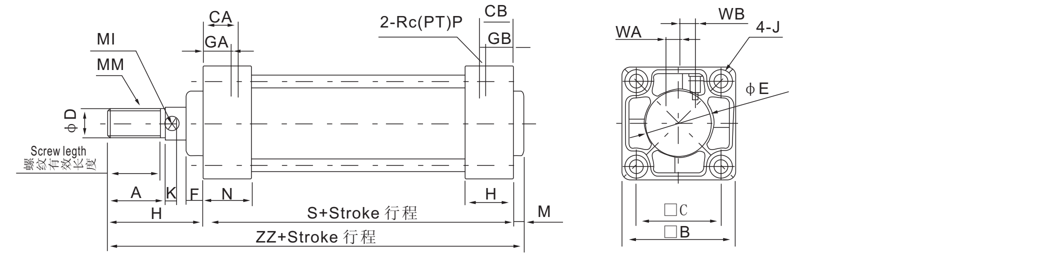
Auto Switch 磁性开关型号	
Blank 无记号	Without switch 无磁性开关

※详见磁性开关型号表

Number of switche 磁环开关个数	
Blank 无记号	2个
S	1个
N	n个

STANDARD TYPE 基本型

Dimensions 外形尺寸



(mm)

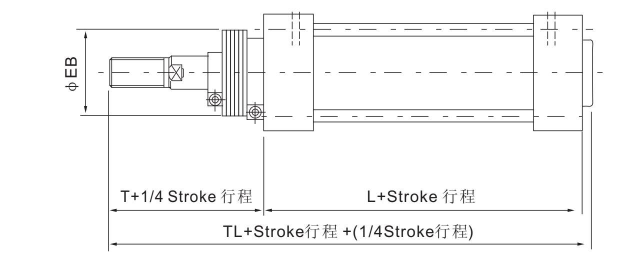
Bore Size 缸径	Stroke Range 行程范围	Screw legth 螺纹有效长度	MI	A	B	C	CA	CB	ΦD	ΦE	F	GA	GB	J	K	M	MM	N	P	S	WA	WB	H	ZZ
40	~500	27	14	30	60	44	18	18	16	32	10	15	15	M8×1.25	6	4.5	M14×1.5	27	Rc(PT)1/4	84	5	10.5	51	139.5
50	~600	32	18	35	70	52	21	21	20	40	10	17	17	M8×1.25	7	6.0	M18×1.5	30	Rc(PT)3/8	90	8	9.9	58	154
63	~600	32	18	35	85	64	21	21	20	40	10	17	17	M10×1.5	7	6.0	M18×1.5	31	Rc(PT)3/8	98	9	11.5	58	162
80	~700	37	22	40	102	78	26	26	25	52	14	21	21	M12×1.75	11	7.0	M22×1.5	37	Rc(PT)1/2	116	11	13	71	194
100	~700	37	26	40	116	92	28	28	30	52	14	21	21	M12×1.75	11	8.0	M26×1.5	40	Rc(PT)1/2	126	13	14	72	206

WITH BELLOWS TYPE 带防护套型

(mm)

Bore Size	Stroke Range 行程范围	ΦEB	L	T	TL
40	~500	43	84	59	147
50	~600	52	90	66	161
63	~600	52	98	66	169
80	~700	65	116	80	201
100	~700	65	126	81	212

The other size is identical with a basic type 其它尺寸参照基本型

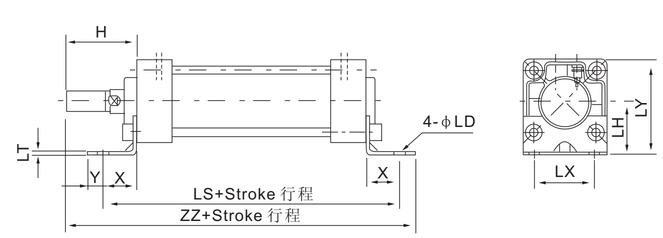


FOOT TYPE (LB) 脚座型

(mm)

Bore Size 缸径	Stroke Range 行程范围	X	Y	ΦLD	LH	LS	LT	LX	LY	H	ZZ
40	~500	27	13	9.0	40	138	3.0	42	70	51	175
50	~600	27	13	9.0	45	144	3.0	50	80	58	188
63	~600	34	16	11.5	50	166	3.0	59	93	58	206
80	~700	44	16	13.5	65	204	4.0	76	116	71	247
100	~700	43	17	13.5	75	212	4.0	92	133	72	258

The other size is identical with a basic type 其它尺寸参照基本型

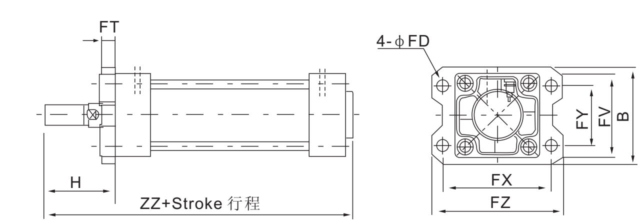


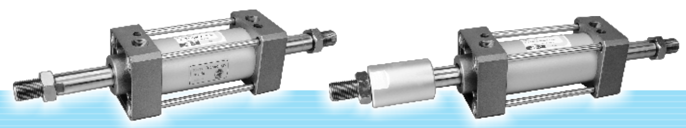
Rod side flange type (FA) 杆侧法兰型

(mm)

Bore Size 缸径	Stroke Range 行程范围	B	FV	ΦFD	FT	FX	FY	FZ	H	ZZ
40	~500	71	60	9	12	80	42	100	51	139.5
50	~600	81	70	9	12	90	50	110	58	154
63	~600	101	86	11.5	15	105	59	130	58	162
80	~700	119	102	13.5	18	130	76	160	71	194
100	~700	133	116	13.5	18	150	92	180	72	206

The other size is identical with a basic type 其它尺寸参照基本型



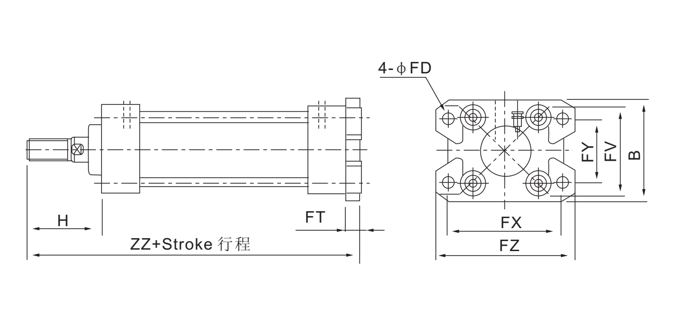


HEAD SIDE FLANGE TYPE (FB) 无杆侧法兰型

(mm)

Bore Size 缸径	Stroke Range 行程范围	B	FV	ϕFD	FT	FX	FY	FZ	H	ZZ
40	~500	71	60	9.0	12	80	42	100	51	147
50	~600	81	70	9.0	12	90	50	110	58	160
63	~600	101	86	11.5	15	105	59	130	58	171
80	~700	119	102	13.5	18	130	76	160	71	205
100	~700	133	116	13.5	18	150	92	180	72	216

The other size is identical with a basic type 其它尺寸参照基本型

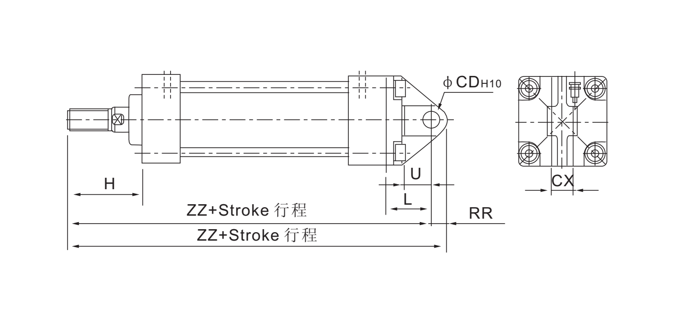


SINGLE THREAD CLEVIS TYPE (CA) 单耳环型

(mm)

Bore Size 缸径	Stroke Range 行程范围	L	RR	U	ϕCD_{H10}	CX	H	Z	ZZ
40	~500	30	10	16.5	10	$15.0^{-0.1}_{-0.3}$	51	165	175
50	~600	35	12	21.5	12	$18.0^{-0.1}_{-0.3}$	58	183	195
63	~600	40	16	25	16	$25.0^{-0.1}_{-0.3}$	58	196	212
80	~700	48	20	32	20	$31.5^{-0.1}_{-0.3}$	71	235	255
100	~700	58	25	41	25	$35.5^{-0.1}_{-0.3}$	72	256	281

The other size is identical with a basic type 其它尺寸参照基本型

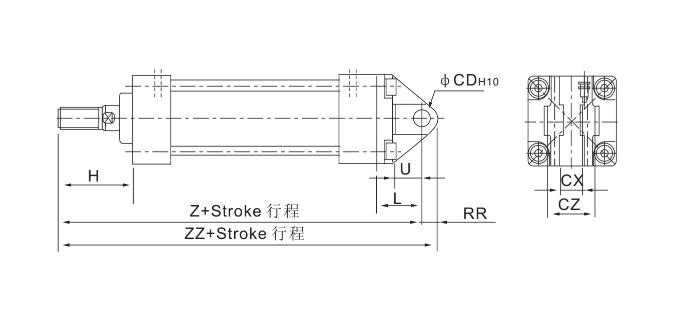


DOUBLE THREAD CLEVIS TYPE (CB) 双耳环型

(mm)

Bore Size 缸径	Stroke Range 行程范围	RR	U	ϕCD_{H10}	CX	CZ	H	Z	ZZ
40	~500	10	16.5	10	$15.0^{-0.1}_{-0.3}$	29.5	51	165	175
50	~600	12	21.5	12	$18.0^{-0.1}_{-0.3}$	38	58	183	195
63	~600	16	25	16	$25.0^{-0.1}_{-0.3}$	49	58	196	212
80	~700	20	32	20	$31.5^{-0.1}_{-0.3}$	61	71	235	255
100	~700	25	41	25	$35.5^{-0.1}_{-0.3}$	64	72	256	281

The other size is identical with a basic type 其它尺寸参照基本型

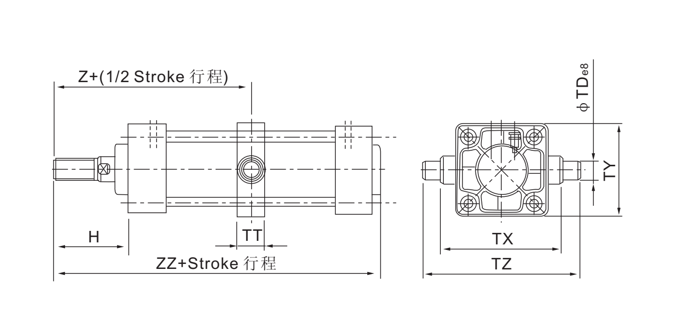


CENTER TRUNION TYPE (TC) 中间耳轴型

(mm)

Bore Size 缸径	Stroke range 行程范围	ϕCD_{e8}	TT	TX	TY	TZ	H	Z	ZZ
40	~500	15	22	85	62	117	51	93	139.5
50	~600	15	22	95	74	127	58	103	154
63	~600	18	28	110	90	148	58	107	162
80	~700	25	34	140	110	192	71	129	194
100	~700	25	40	162	130	214	72	135	206

The other size is identical with a basic type 其它尺寸参照基本型



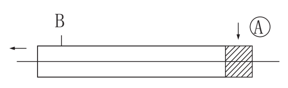
DOUBLE-ROD TYPE 双杆型气缸

ORDERING CODE 订购代码

JCA2B (Mounted type 安装形式) (Bore Size 缸径) — (Stroke 行程)

(Additional notation 附加记号) — (XC6 双杆型气缸)

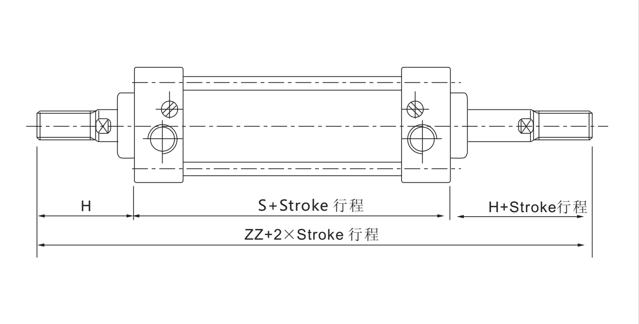
NOTATION 符号



SPECIFICATIONS 规格

Bore Size 缸径	40	50	63	80	100
Fluid 流体	Compressed Air 压缩空气				
Operating Type 动作方式	Double acting 双作用				
Proof Pressure 耐压	1.5MPa(15.2kgf/cm^2)				
Max. Operating Pressure 最高使用压力	1.0MPa(10.2kgf/cm^2)				
Ambient & Fluid Temp. 环境和流体温度	10~70℃(Air , No freezing空气、未冻结)				
Speed of work pisting 运行速度	50~500mm/sec				
Cushion 缓冲	Air Cushion 气缓冲				
Stroke Length Tolerance 行程公差	$^{+1.4}_{0}$				
Lubrication 润滑	Non-lube(Use ISO VG32#)不需要(或者ISO VG32#)				
Port 接管口径	Rc(PT)1/4	RC(PT)3/8		RC(PT)1/2	

DIMENSIONS 外形尺寸



Bore Size 缸径	Stroke range 行程范围	S	H	ZZ
40	~500	84	51	186
50	~600	90	58	206
63	~600	98	58	214
80	~750	116	71	256
100	~750	126	72	270

The other size is identical with a basic type 其它尺寸参照基本型

VARIABLE STROKE CYLINDER TYPE/COMTROL TYPE OF FORWARD MOTION 行程可调气缸/伸出可调型

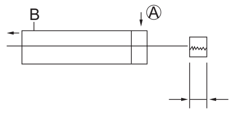
ORDERING CODE 订购代码

JCA2B (Mounted type 安装形式) (Bore Size 缸径) — (Stroke 行程) (Additional notation 附加记号)

(Stroke control 可调行程) — (XC8 伸出可调型气缸)

A: 0~25mm B: 0~50mm

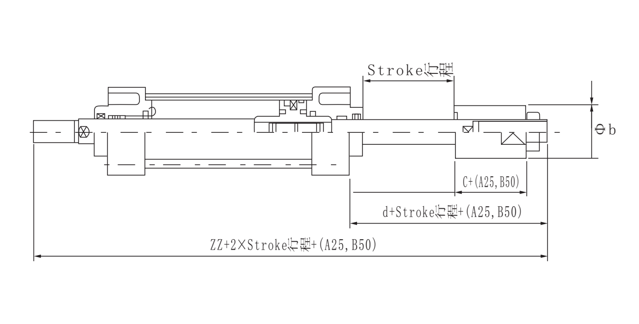
NOTATION 符号



SPECIFICATIONS 规格

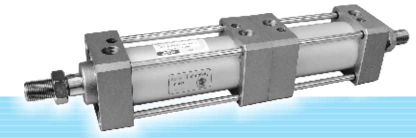
Bore Size 缸径	40	50	63	80	100
Fluid 流体	Compression Air 压缩空气				
Operating Type 动作方式	Double acting 双作用				
Proof Pressure 耐压	1.5MPa(15.2kgf/cm^2)				
Max. Operating Pressure 最高使用压力	1.0MPa(10.2kgf/cm^2)				
Ambient & Fluid Temp. 环境和流体温度	10~70℃(Air , No freezing空气、未冻结)				
Speed of work pisting 运行速度	50~500mm/sec				
Stroke adjustable range 行程可调范围	A: 0~25mm, B: 0~50mm				
Cushion 缓冲	Air Cushion 气缓冲				
Stroke Length Tolerance 行程公差	$^{+1.4}_{0}$				
Lubrication 润滑	Non-lube(Use ISO VG32#)不需要(或者ISO VG32#)				
Port 接管口径	Rc(PT)1/4	RC(PT)3/8		RC(PT)1/2	

DIMENSIONS 外形尺寸



Bore Size 缸径	ϕb	c	d	ZZ
40	ϕ30	22	46	181
50	ϕ40	28	58.5	206.5
63		28	54	210
80	ϕ50	35	70	257
100		35	70	268

The other size is identical with a basic type 其它尺寸参照基本型



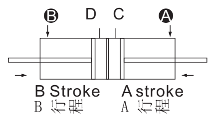
JISP

Mutiple-end stroke double-rod type 双行程型气缸/双杆型

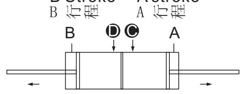
ORDERING CODE 订购代码

JCA2B (Mounted type 安装形式)(Bore Size 缸径)(B,Stroke 行程)(Additional notation 附加记号)
—(A,Stroke 行程)(Additional notation 附加记号)—(XC10 双行程气缸/双杆型)

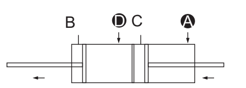
NOTATION 符号



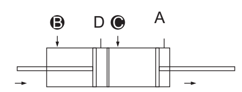
When supply air pressure to Ⓐ Ⓑ port, A ,B stroke do backward motion.
当向A、B口供气时，A、B行程缩回



When supply air pressure to© ,Ⓓ port, A stroke works.
当向C、D口供气时，A、B行程伸出



When supply air pressure to ⒶⒹ ports, B stroke extends and A retracts strokes.
当向A、D口供气时，B行程伸出A行程缩回

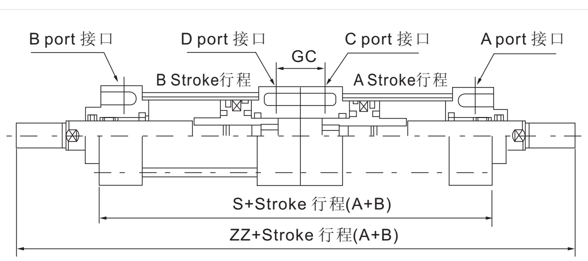


When supply air pressure to ⒷⒸ ports, A stroke extends and B retracts strokes.
当向B、C口供气时，A行程伸出B行程缩回

SPECIFICATIONS 规格

Bore Size 缸径	40	50	63	80	100
Fluid 流体	Compressed Air 压缩空气				
Operating Type 动作方式	Double acting 双作用				
Proof Pressure 耐压	1.5MPa(15.2kgf/cm²)				
Max. Operating Pressure 最高使用压力	1.0MPa(10.2kgf/cm²)				
Ambient & Fluid Temp. 环境和流体温度	-10~70℃(Air , No freezing空气、未冻结)				
Speed of work pisting 运行速度	50~500mm/sec				
Cushion 缓冲	Air Cushion 气缓冲				
Stroke Length Tolerance 行程公差	$^{+1.4}_{0}$				
Lubrication 润滑	Non-lube(Use ISO VG32#)不需要(或者ISO VG32#)				
Port 接管口径	Rc(PT)1/4	Rc(PT)3/8		Rc(PT)1/2	

DIMENSIONS 外形尺寸



Bore Size 缸径	GC	S	ZZ
40	29	167	269
50	33	179	295
63	33	195	311
80	41	231	373
100	41	251	395

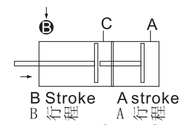
The other size is identical with a basic type 其它尺寸参照基本型

Mutiple-end stroke single-rod type 双行程气缸/单杆型

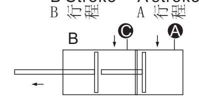
ORDERING CODE 订购代码

JCA2B (Mounting type 安装形式)(Bore Size 缸径)(B,Stroke 行程)(Additional notation 附加记号)
—(A,Stroke 行程)(Additional notation 附加记号)—(XC11 双行程气缸/单杆型)

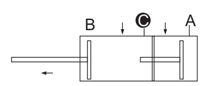
NOTATION 符号



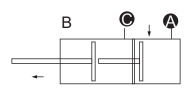
When supply air pressure to Ⓑport, A ,B stroke do backward motion.
当向B口供气时，A、B行程缩回



When supply air pressure toⒶ ,© port, A stroke works.
当向A、C口供气时，A、B行程伸出



When supply air pressure to © port, B-A stroke works.
当向C、D口供气时，B-A行程伸出

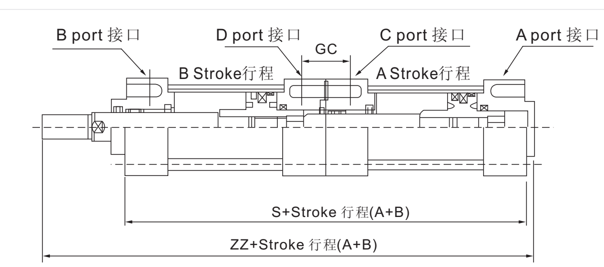


When supply air pressure to Ⓐport, A stroke works.
当向A口供气时，A行程伸出

SPECIFICATIONS 规格

Bore Size 缸径	40	50	63	80	100
Fluid 流体	Compression Air 压缩空气				
Operating Type 动作方式	Double acting 双作用				
Proof Pressure 耐压	1.5MPa(15.2kgf/cm²)				
Max. Operating Pressure 最高使用压力	1.0MPa(10.2kgf/cm²)				
Ambient & Fluid Temp. 环境和流体温度	-10~70℃(Air , No freezing空气、未冻结)				
Speed of work pisting 运行速度	50~500mm/sec				
Cushion 缓冲	Air Cushion 气缓冲				
Stroke Length Tolerance 行程公差	$^{+1.4}_{0}$				
Lubrication 润滑	Non-lube(Use ISO VG32#)不需要(或者ISO VG32#)				
Port 接管口径	Rc(PT)1/4	Rc(PT)3/8		Rc(PT)1/2	

DIMENSIONS 外形尺寸



Bore Size 缸径	GC	S	ZZ
40	29	168	223.5
50	33	180	244
63	33	196	260
80	41	232	310
100	41	252	332

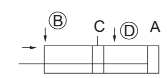
The other size is identical with a basic type 其它尺寸参照基本型

Tandem cylinder 串联增压型气缸

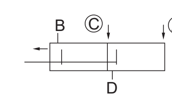
ORDERING CODE 订购代码

JCA2B (Mounted type 安装形式)(Bore Size 缸径)—(Stroke 行程)(Additional notation 附加记号)—(XC12 串联增压型气缸)

NOTATION 符号



When supply air pressure to Ⓑ and Ⓓ port, can get twice more outputs at backward motion.
当向B、D口供气时，缩回行程出力加倍



When supply sir pressure to Ⓐ and © port, can get twice more outputs at backwad motion.
当向A、C口供气时，伸出行程出力加倍

SPECIFICATIONS 规格

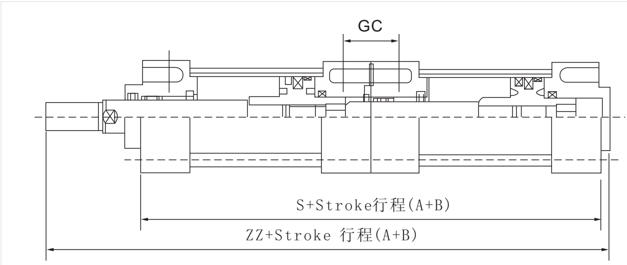
Bore Size 缸径	40	50	63	80	100
Fluid 流体	Compressed Air 压缩空气				
Operating Type 动作方式	Double acting 双作用				
Proof Pressure 耐压	1.5MPa(15.2kgf/cm²)				
Max. Operating Pressure 最高使用压力	1.0MPa(10.2kgf/cm²)				
Ambient & Fluid Temp. 环境和流体温度	-10~70℃(Air , No freezing空气、未冻结)				
Speed of work pisting 运行速度	50~500mm/sec				
Cushion 缓冲	Air Cushion 气缓冲				
Stroke Length Tolerance 行程公差	~250: $^{+1.0}_{0}$ 251~1000: $^{+1.4}_{0}$ 1001~1500: $^{+1.8}_{0}$				
Lubrication 润滑	Non-lube(Use ISO VG32#)不需要(或者ISO VG32#)				
Port 接管口径	RC(PT)1/4	RC(PT)3/8		RC(PT)1/2	

Inside structure drawings 结构图

Bore Size 缸径	GC	S	ZZ
40	29	168	223.5
50	33	180	244
63	33	196	260
80	41	232	310
100	41	252	332

The other size is identical with a basic type 其它尺寸参照基本型

Dimensions 外形尺寸



Cylinder for heat-resist 耐高温型

ORDERING CODE 订购代码

JCA2B (Mounted type 安装形式)(Bore Size 缸径)—(Stroke 行程)
(Additional notation 附加记号)—(SCH 耐高温)

Specification 规格

Lubrication 润滑	No oil suppluy 无需供油
Bore Size 缸径	ϕ40, ϕ50, ϕ63, ϕ80, ϕ100
Temperature 温度	-20~+150°C
Material of seal 密封件	FKM 氟橡胶

Piston-Stainless 不锈钢活塞杆

ORDERING CODE 订购代码

JCA2B (Mounted type 安装形式)(Bore Size 缸径)—(Stroke 行程)
(Additional notation 附加记号)—(SUS 不锈钢)

Specification 规格

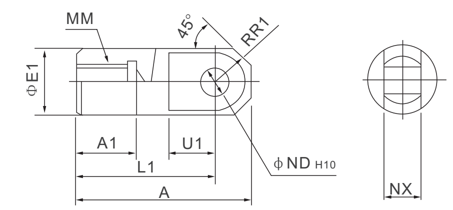
Lubrication 润滑	No oil suppluy 无需供油
Bore Size 缸径	ϕ40, ϕ50, ϕ63, ϕ80, ϕ100
Material of tod 活塞杆材质	Stainless steel 不锈钢

Rod end Joint 杆端接头

JOINT (I) I型接头

(mm)

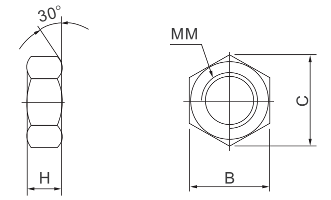
Bore Size 缸径	A	A1	E1	L1	MM	R1	U1	ϕND H10	NX
40	69	22	24	55	M14×1.5	15.5	20	$12^{+0.070}_{0}$	$16^{-0.1}_{-0.3}$
50.63	74	27	28	60	M18×1.5	15.5	20	$12^{+0.070}_{0}$	$16^{-0.1}_{-0.3}$
80	91	37	36	71	M22×1.5	22.5	26	$18^{+0.070}_{0}$	$28^{-0.1}_{-0.3}$
100	105	37	40	83	M26×1.5	24.5	28	$20^{+0.080}_{0}$	$30^{-0.1}_{-0.3}$



ROD NUT 活塞杆螺母

(mm)

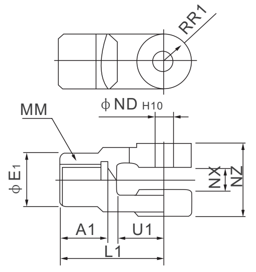
Bore Size 缸径	MM	H	B	C
40	M14×1.5	8	22	25.4
50.63	M18×1.5	11	27	31.2
80	M22×1.5	13	32	37.0
100	M26×1.5	16	38	43.9



JOINT (Y) Y型接头

(mm)

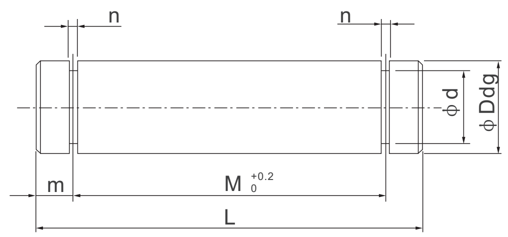
Bore Size 缸径	A1	ϕE1	L1	MM	R1	U1	ϕND H10	NX	NZ
40	24	24	55	M14×1.5	13	25	$12^{+0.070}_{0}$	$38^{-0.3}_{-0.1}$	38
50.63	27	28	60	M18×1.5	15	27	$12^{+0.070}_{0}$	$38^{-0.3}_{-0.1}$	38
80	37	36	71	M22×1.5	19	28	$28^{+0.070}_{0}$	$55^{-0.3}_{-0.1}$	55
100	37	40	83	M26×1.5	21	38	$30^{+0.084}_{0}$	$61^{-0.3}_{-0.1}$	61



PIN FOR CLEVIS 耳环销子

(mm)

Bore Size 缸径		ϕDd9	L	M	m	n	ϕd
CLEVIS	KNUCKLE						
ϕ40	—	$10^{-0.040}_{-0.076}$	41.2	33.2	4	0.9	8
ϕ50	ϕ40.50.60	$12^{-0.050}_{-0.093}$	49.7	41.7	4	1.15	10
ϕ63	—	$16^{-0.050}_{-0.093}$	64	54	5	1.15	12
—	ϕ80	$18^{-0.040}_{-0.076}$	70	60	5	1.75	15
ϕ80	ϕ100	$20^{-0.065}_{-0.117}$	76	66	5	1.75	15
ϕ100	—	$25^{-0.065}_{-0.117}$	19.5	69.5	5	1.75	19

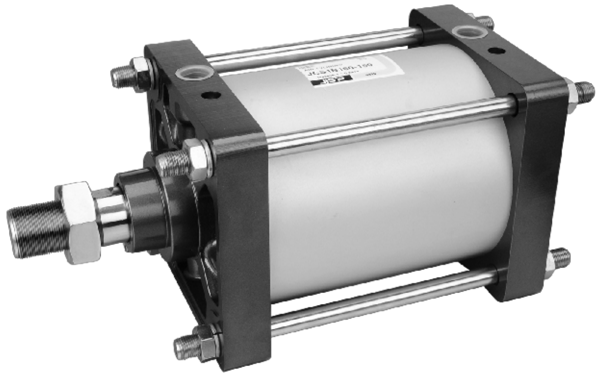


JCS1 Series

Large Size Cylinder大型气缸

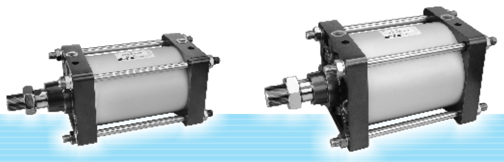
CHAPTER 04 第4章

JCDS1B125-150
Standard type/Double acting
基本型/双作用



JCDS1B160-150
Standard type/Double acting
基本型/双作用

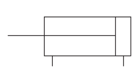
□JCS1B125~160
□JCDS1B125~160

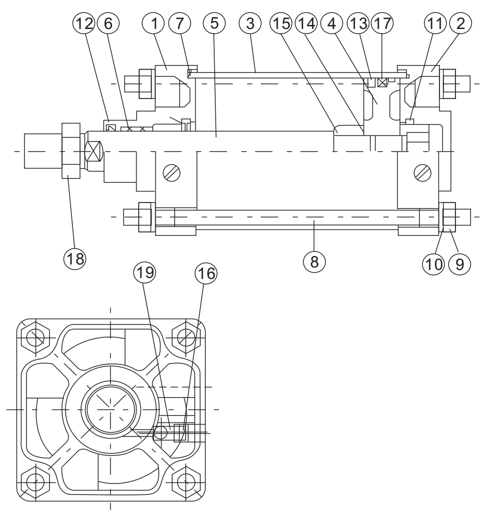


Large size Cylinder/Double acting 大型气缸/双作用

Structure 结构图

Notation 符号





PARTS LIST 零件表

No.编号	Name 名称	Materials 材料
1	Rod cover 前盖	Alumium 铝合金
2	Head cover 后盖	Alumium 铝合金
3	Cylinder tube 缸筒	SUS304
4	Pistion 活塞	Alumium 铝合金
5	Pistion rod 活塞杆	S45C
6	Bush 含油轴承	Cu+Oil
7	Rod cover O-Ring 前盖O型圈	NBR
8	Tie Rod 拉杆	S20C
9	Tie Rod Nut 拉杆螺母	S20C
10	Tie Rod Washer 拉杆止退垫	65Mn
11	Cushion seal 缓冲圈	Polyurethare 聚氨脂
12	Rod Seal 活塞杆密封圈	NBR
13	Pistion seal 活塞密封圈	NBR
14,15	Rod Seal O-Ring 活塞杆O型圈	NBR
16	Cushion valve O-Ring 缓冲阀O型圈	NBR
17	Magnet 磁环	NdFeB
18	Rod Nut 活塞杆螺母	S20C
19	Cushion valve 缓冲调节阀	Brass 铜

SEAL LIST 密封件表

No. 编号	Name 名称	Inside diameter(mm)内径			
		125	140	150	160
11	Cushion Seal 缓冲密封圈	CUW45	CUW45	CUW45	CUW45
12	Rod Seal 活塞杆密封圈	PRW35	PRW35	PRW40	PRW40
13	Piston Seal 活塞密封圈	PPW125	PPW140	PPW150	PPW160

※ The specification on each item can be amended without any prenotice to improve a performance.
※ The specification on each item can be different from actual specification.
※ 对产品性能的改善，不会预先通知。※ 规格描述可能与实际规格不完全相同。

SPECIFICATIONS 规格

Bore Size 缸径	125	140	150	160
Fluid 流体	Compressed Air 压缩空气			
Operating Type 动作方式	Double acting 双作用			
Proof Pressure 耐压	1.5MPa(15.2kgf/cm²)			
Max. Operating Pressure 最高使用压力	1.0MPa(10.2kgf/cm²)			
Ambient & Fluid Temp. 环境和流体温度	0~70℃(Air , No freezing空气、未冻结)			
Speed of work pisting 运行速度	50~750mm/sec			
Cushion 缓冲	Air Cushion 气缓冲			
Stroke Length Tolerance 行程公差	$^{+1.4}_{0}$			
Lubrication 润滑	Non-lube(Use ISO VG32#)不需要(或者ISO VG32#)			
Port 接管口径	RC(PT)1/2		RC(PT)3/4	

ORDERING CODE 订购代码

JC D S1 B 40 - 50 A54

Magnet 磁环	
Blank	Without magnet 无内置磁环
D	With Magnet 内置磁环

Mounted Type 安装形式	
B	Range thread (standard type) 通孔内螺纹(基本型)
LB	Foot type 脚座型
FA	Rod-side flange type 杆侧法兰型
FB	Head-side flange type 无杆侧法兰型
CA	Single thread clevis type 单耳环型
CB	Double thread clevis type 双耳环型
TC	Center-side trunion type 中间耳轴型

Bore Size 缸径	
125	Φ125
140	Φ140
150	Φ150
160	Φ160

Strock 行程	
Bore size 缸径	Stardard Strock Single acting 标准行程(mm)单作用
40	25, 50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400, 450, 500
50, 63	25, 50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400, 450, 500, 600
80, 100	25, 50, 75, 100, 125, 150, 175, 200, 250, 300, 350, 400, 450, 500, 600, 700

Additional Notation 附加记号		
Bellows 防护套	Blank 无记号	无
	J	Nylon Tauplin 尼龙套
	K	Neoprene cross 耐热帆布
Cushion 气缓冲	Blank 无记号	Air Cushion 气缓冲
	N	None Cushion 无缓冲

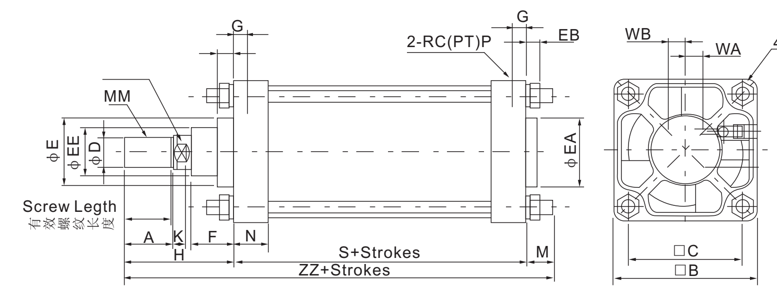
Auto Switch 磁性开关型号	
Blank 无记号	Without switch 无磁性开关

※详见磁性开关型号表

Number of switche 磁环开关个数	
Blank 无记号	2个
S	1个
N	n个

STANDARD TYPE 基本型

Dimensions 外形尺寸

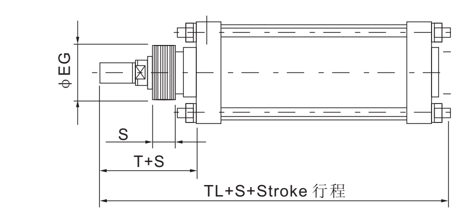


(mm)

Bore Size 缸径	Stroke range 行程范围	Screw legth 螺纹有效长度	A	MI	ϕC	ϕD	ϕE	ϕEA	F	EB	G	J	K	M	MM	N	P	S	WA	WB	H	ZZ	ϕEE	EF
125	~700	47	50	145	115	35	70	70	43	10	14	M14×1.5	13	27	M30×1.5	35	Rc(PT)1/2	98	19	21	110	235	59	13
140	~700	47	50	161	128	35	80	-	43	-	16	M14×1.5	13	27	M30×1.5	30	Rc(PT)1/2	98	19	21	110	235	59	19
150	~700	53	56	170	132	40	80	-	43	-	18.5	M16×1.5	15	30.5	M36×1.5	34	Rc(PT)3/4	106	19	21	120	256	59	19
160	~700	53	56	182	144	40	80	-	43	-	18.5	M16×1.5	15	30.5	M36×1.5	34	Rc(PT)3/4	106	19	21	120	256	59	19

BELLOWS TYPE 带防护套型

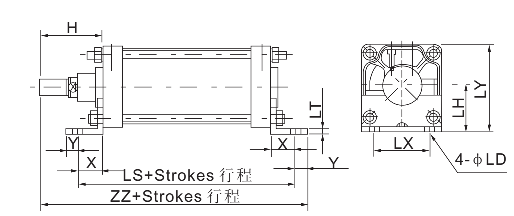
Bore Size 缸径	T	TL	S	EG
125	133	258	0.2×Stroke	75
140	133	258	0.2×Stroke	75
150	141	277.5	0.2×Stroke	75
160	141	277	0.2×Stroke	75



The other size is identical with a basic type 其它尺寸参照基本型

FOOT TYPE (LB) 脚座型

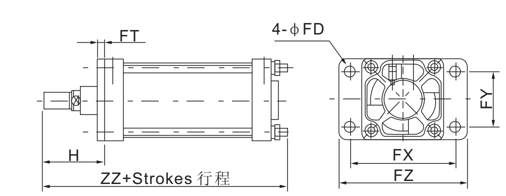
Bore Size 缸径	Stroke range 行程范围	ϕLD	LH	LS	LT	LX	LY	H	ZZ
125	~700	19	85	188	10	100	157	110	273
140	~700	19	100	188	10	112	180	110	283
150	~700	19	106	206	10	118	197	120	301
160	~700	19	106	206	10	118	197	120	301



The other size is identical with a basic type 其它尺寸参照基本型

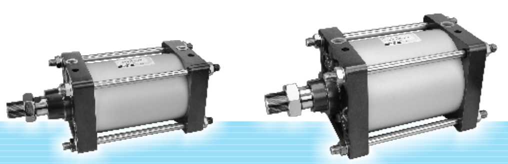
ROD SIDE FLANGE TYPE (FA) 杆端法兰型

Bore Size 缸径	Stroke range 行程范围	ϕFD	FT	FX	FY	FZ	H	ZZ
125	~700	19	14	190	100	230	110	228
140	~700	19	20	212	112	255	110	232
150	~700	19	20	228	115	265	120	252
160	~700	19	20	236	118	275	120	252



The other size is identical with a basic type 其它尺寸参照基本型

Large size Cylinder/Double acting 大型气缸/双作用

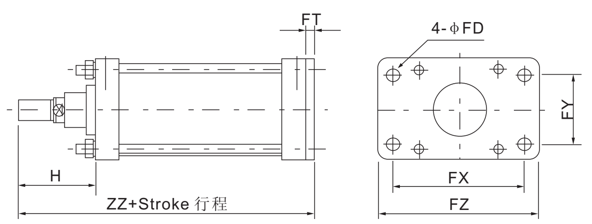


HEAD SIDE FLANGE TYPE (FB) 无杆端法兰型

(mm)

Bore Size 缸径	Stroke range 行程范围	φFD	LH	LS	LT	LX	H	ZZ
125	~700	19	14	190	100	230	110	222
140	~700	19	20	212	112	255	110	228
150	~700	19	20	228	115	265	120	246
160	~700	19	20	236	118	275	120	246

The other size is identical with a basic type 其它尺寸参照基本型

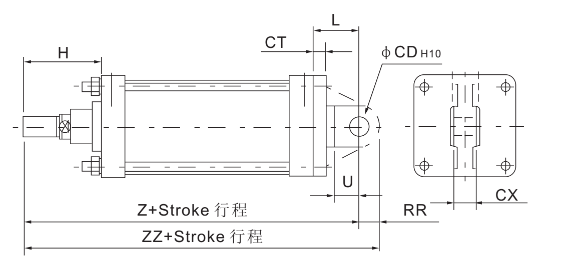


SINGLE THREAD CLEVIS TYPE (CA) 单耳型

(mm)

Bore Size 缸径	Stroke range 行程范围	L	RR	S	U	ϕCD_{H10}	CT	CX	H	Z	ZZ
125	~700	65	29	98	35	$25^{+0.084}_{0}$	18	$32^{-0.1}_{-0.3}$	110	273	302
140	~700	75	32	98	40	$28^{+0.084}_{0}$	17	$36^{-0.1}_{-0.3}$	110	283	315
150	~700	80	36	106	45	$32^{+0.100}_{0}$	20	$40^{-0.1}_{-0.3}$	120	306	342
160	~700	80	36	106	45	$32^{+0.100}_{0}$	20	$40^{-0.1}_{-0.3}$	120	306	342

The other size is identical with a basic type 其它尺寸参照基本型

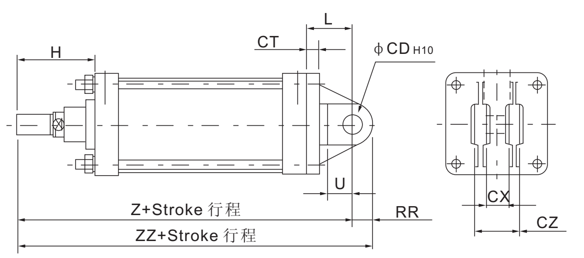


DOUBLE THREAD CLEVIS TYPE (CB) 双耳型

(mm)

Bore Size 缸径	Stroke range 行程范围	L	U	ϕCD_{H10}	CT	CX	CZ	H	Z	ZZ
125	~700	75	35	$25^{+0.084}_{0}$	18	$32^{+0.3}_{+0.1}$	$72^{-0}_{-0.2}$	110	273	302
140	~700	80	40	$28^{+0.084}_{0}$	17	$36^{+0.3}_{+0.1}$	$80^{-0}_{-0.2}$	110	283	315
150	~700	65	45	$32^{+0.100}_{0}$	20	$40^{+0.3}_{+0.1}$	$80^{-0}_{-0.2}$	120	306	342
160	~700	80	45	$32^{+0.100}_{0}$	20	$40^{+0.3}_{+0.1}$	$64^{-0.1}_{-0.3}$	120	306	342

The other size is identical with a basic type 其它尺寸参照基本型

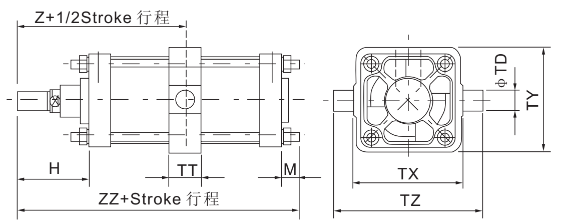


CENTER TRUNION TYPE (TC) 中间耳轴型

(mm)

Bore Size 缸径	Stroke range 行程范围	M	ϕTD_{H10}	TT	TX	TY	TZ	H	Z	ZZ
125	~700	19	$32^{+0.084}_{0}$	50	170	164	234	110	227	159
140	~700	19	$36^{+0.084}_{0}$	55	190	184	262	110	227	159
150	~700	22	$40^{+0.100}_{0}$	60	200	190	275	120	248	173
160	~700	22	$40^{+0.100}_{0}$	60	212	204	292	120	248	173

The other size is identical with a basic type 其它尺寸参照基本型



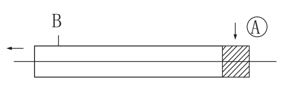
DOUBLE-ROD TYPE 双杆型气缸

ORDERING CODE 订购代码

JCS1B (Mounted type 安装形式)-(Bore Size 缸径)-(Stroke 行程)

(Additional notation 附加记号)-(XC6 双杆型气缸)

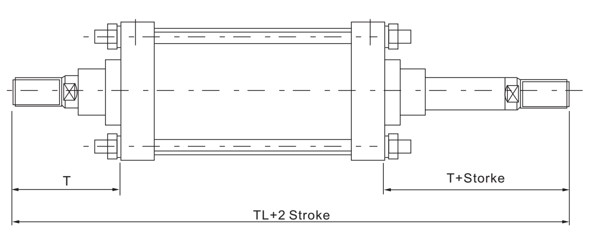
NOTATION 符号



SPECIFICATIONS 规格

Bore Size 缸径	125	140	150	160
Fluid 流体	Compresed Air 压缩空气			
Operating Type 动作方式	Double acting 双作用			
Proof Pressure 耐压	1.5MPa(15.2kgf/cm²)			
Max. Operating Pressure 最高使用压力	1.0MPa(10.2kgf/cm²)			
Ambient & Fluid Temp. 环境和流体温度	0~70℃(Air , No freezing空气、未冻结)			
Speed of work pisting 运行速度	50~750mm/sec			
Cushion 缓冲	Air Cushion 气缓冲			
Stroke Length Tolerance 行程公差	$^{+1.4}_{0}$			
Lubrication 润滑	Non-lube(Use ISO VG32#)不需要(或者ISO VG32#)			
Port 接管口径	RC(PT)1/2		RC(PT)3/4	

DIMENSIONS 外形尺寸



Bore Size(mm) 缸径	Stroke range (mm) 行程范围	T	TL
125	~1.000	110	318
140	~1.000	110	318
150	~1.200	120	346
160	~1.200	120	346
180	~1.400	135	381
200	~1.600	135	381
250	~1.800	160	461
300	~2.000	175	496

The other size is identical with a basic type 其它尺寸参照基本型

VARIABLE STROKE CYLINDER TYPE/COMTROL TYPE OF FORWARD MOTION 行程可调气缸/伸出可调型

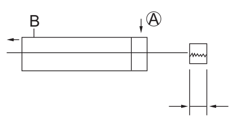
ORDERING CODE 订购代码

JCS1B (Mounted type 安装形式)-(Bore Size 缸径)-(Stroke 行程)-(Additional notation 附加记号)

(Stroke control 可调行程)-(XC8 伸出可调型气缸)

A: 0~25mm B: 0~50mm

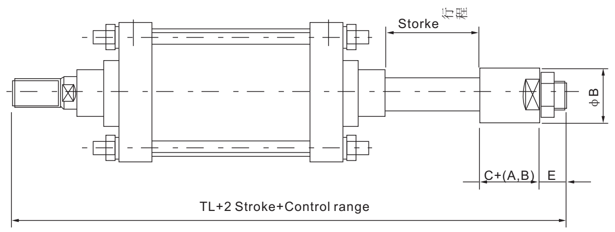
NOTATION 符号



SPECIFICATIONS 规格

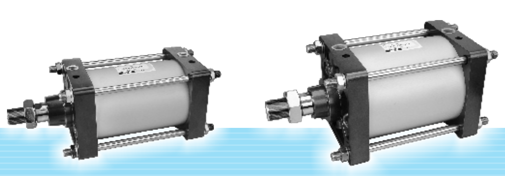
Bore Size 缸径	125	140	150	160
Fluid 流体	Compressed Air 压缩空气			
Operating Type 动作方式	Double acting 双作用			
Proof Pressure 耐压	1.5MPa(15.2kgf/cm²)			
Max. Operating Pressure 最高使用压力	1.0MPa(10.2kgf/cm²)			
Ambient & Fluid Temp. 环境和流体温度	0~70℃(Air , No freezing空气、未冻结)			
Speed of work pisting 运行速度	50~750mm/sec			
Stroke adjustable range 行程可调范围	A: 0~25mm, B: 0~50mm			
Cushion 缓冲	Air Cushion 气缓冲			
Stroke Length Tolerance 行程公差	$^{+1.4}_{0}$			
Lubrication 润滑	Non-lube(Use ISO VG32#)不需要(或者ISO VG32#)			
Port 接管口径	RC(PT)1/2		RC(PT)3/4	

DIMENSIONS 外形尺寸



Bore Size(mm) 缸径	φB	C	TL
125	60	37	318
140	60	37	318
150	60	46	341
160	60	46	341
180	70	52	376
200	70	52	376
250	86	60	456
300	86	60	496

The other size is identical with a basic type 其它尺寸参照基本型

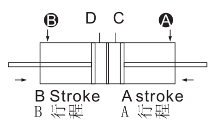


Mutiple-end stroke double-rod type 双行程型气缸/双杆型

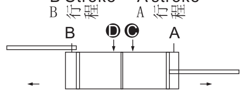
ORDERING CODE 订购代码

JCS1B (Mounted type 安装形式) (Bore Size 缸径) — (B,Stroke 行程) (Additional notation 附加记号) — (A,Stroke 行程) (Additional notation 附加记号) — (XC10 双行程双杆型气缸)

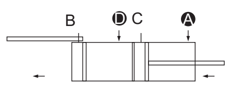
NOTATION 符号



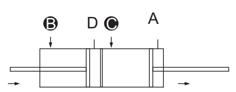
When supply air pressure to Ⓐ Ⓑ port, A ,B stroke do backward motion.
当向A、B口供气时，A、B行程缩回



When supply air pressure to© ,Ⓓ port, A stroke works.
当向C、D口供气时，A、B行程伸出



When supply air pressure to ⒶⒹ ports, B stroke extends and A retracts strokes.
当向A、D口供气时，B行程伸出A行程缩回

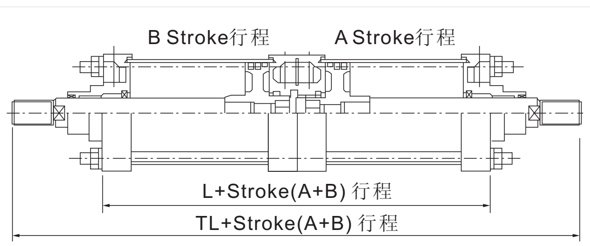


When supply air pressure to Ⓑ© ports, A stroke extends and B retracts strokes.
当向B、C口供气时，A行程伸出B行程缩回

SPECIFICATIONS 规格

Bore Size 缸径	125	140	150	160
Fluid 流体	Compressed Air 压缩空气			
Operating Type 动作方式	Double acting 双作用			
Proof Pressure 耐压	1.5MPa(15.2kgf/cm^2)			
Max. Operating Pressure 最高使用压力	1.0MPa(10.2kgf/cm^2)			
Ambient & Fluid Temp. 环境和流体温度	0~70℃(Air , No freezing空气、未冻结)			
Speed of work pisting 运行速度	50~750mm/sec			
Cushion 缓冲	Air Cushion 气缓冲			
Stroke Length Tolerance 行程公差	$^{+1.4}_{0}$			
Lubrication 润滑	Non-lube(Use ISO VG32#)不需要(或者ISO VG32#)			
Port 接管口径	RC(PT)1/2		RC(PT)3/4	

DIMENSIONS 外形尺寸



Tubeindia(mm) 缸径	L	TL
125	196	416
140	196	416
150	212	452
160	212	452

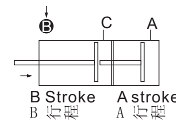
The other size is identical with a basic type 其它尺寸参照基本型

Mutiple-end stroke single-rod type 双行程气缸/单杆型

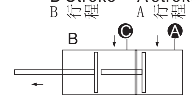
ORDERING CODE 订购代码

JCS1B (Mounted type 安装形式) (Bore Size 缸径) — (B,Stroke 行程) (Additional notation 附加记号) — (A,Stroke 行程) (Additional notation 附加记号) — (XC11 双行程单杆型气缸)

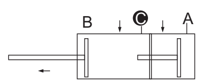
NOTATION 符号



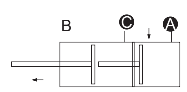
When supply air pressure to Ⓑport, A ,B stroke do backward motion.
当向B口供气时，A、B行程缩回



When supply air pressure toⒶ ,© port, A stroke works.
当向A、C口供气时，A、B行程伸出



When supply air pressure to © port, B-A stroke works.
当向C、D口供气时，B-A行程伸出

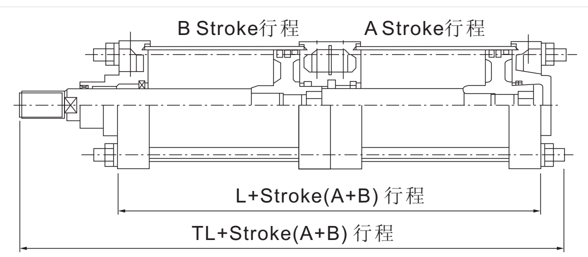


When supply air pressure to Ⓐport, A stroke works.
当向A口供气时，A行程伸出

SPECIFICATIONS 规格

Bore Size 缸径	125	140	150	160
Fluid 流体	Compressed Air 压缩空气			
Operating Type 动作方式	Double acting 双作用			
Proof Pressure 耐压	1.5MPa(15.2kgf/cm^2)			
Max. Operating Pressure 最高使用压力	1.0MPa(10.2kgf/cm^2)			
Ambient & Fluid Temp. 环境和流体温度	0~70℃(Air , No freezing空气、未冻结)			
Speed of work pisting 运行速度	50~750mm/sec			
Cushion 缓冲	Air Cushion 气缓冲			
Stroke Length Tolerance 行程公差	$^{+1.4}_{0}$			
Lubrication 润滑	Non-lube(Use ISO VG32#)不需要(或者ISO VG32#)			
Port 接管口径	RC(PT)1/2		RC(PT)3/4	

DIMENSIONS 外形尺寸



Bore Size(mm) 缸径	L	TL
125	196	333
140	196	333
150	212	362.5
160	212	362.5

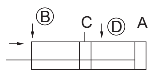
The other size is identical with a basic type 其它尺寸参照基本型

Tandem cylinder 串联增压型气缸

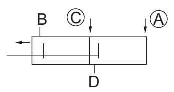
ORDERING CODE 订购代码

JCS1B (Mounted type 安装形式) (Bore Size 缸径) — (Stroke 行程) (Additional notation 附加记号) — (XC12 增压型气缸)

NOTATION 符号



When supply air pressure to Ⓑ and Ⓓ port, can get twice more outputs at backward motion.
当向B、D口供气时，缩回行程出力加倍



When supply sir pressure to Ⓐ and © port, can get twice more outputs at backwad motion.
当向A、C口供气时，伸出行程出力加倍

SPECIFICATIONS 规格

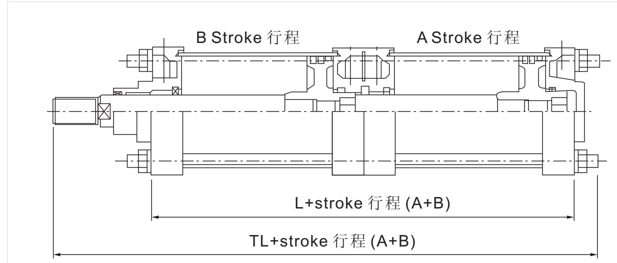
Bore Size 缸径	125	140	150	160
Fluid 流体	Compressed Air 压缩空气			
Operating Type 动作方式	Double acting 双作用			
Proof Pressure 耐压	1.5MPa(15.2kgf/cm^2)			
Max. Operating Pressure 最高使用压力	1.0MPa(10.2kgf/cm^2)			
Ambient & Fluid Temp. 环境和流体温度	0~70℃(Air , No freezing空气、未冻结)			
Speed of work pisting 运行速度	50~750mm/sec			
Cushion 缓冲	Air Cushion 气缓冲			
Stroke Length Tolerance 行程公差	$^{+1.4}_{0}$			
Lubrication 润滑	Non-lube(Use ISO VG32#)不需要(或者ISO VG32#)			
Port 接管口径	RC(PT)1/2		RC(PT)3/4	

Inside structure drawings 结构图

Bore Size (mm) 缸径	L	TL
125	196	333
140	196	333
150	212	262.5
160	212	262.5
180	222	392
200	222	392
250	282	483.5
300	292	518.5

The other size is identical with a basic type 其它尺寸参照基本型

Dimensions 外形尺寸



Cylinder for heat-resist 耐高温型

ORDERING CODE 订购代码

JCS1B (Mounting type 安装形式) (Bore Size 缸径) — (Stroke 行程) — (Additional notation 附加记号) — (SCH 耐高温)

Specification 规格

Lubrication 润滑	No oil suppluy 无需供油
Bore Size 缸径	ϕ125, ϕ140, ϕ150, ϕ160
Temperature 温度	-20~+150°C
Material of seal 密封件	FKM 氟橡胶

Piston-Stainless 不锈钢活塞杆

ORDERING CODE 订购代码

JCS1B (Mounting type 安装形式) (Bore Size 缸径) — (Stroke 行程) — (Additional notation 附加记号) — (SUS 不锈钢)

Specification 规格

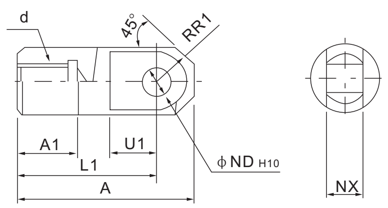
Lubrication 润滑	No oil suppluy 无需供油
Bore Size 缸径	ϕ125, ϕ140, ϕ150, ϕ160
Material of tod 活塞杆材质	Stainless steel 不锈钢

Rod end Joint 杆端接头

SINGLE-THREAD KNUCKLE JOINT(I) I型接头

(mm)

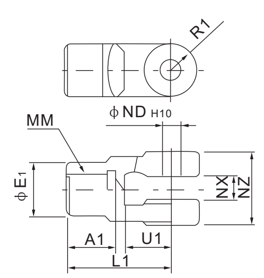
Bore Size缸径	A	ϕE1	L1	MM	R1	U1	ϕND_{H10}	NX
125	54	46	105	M30×1.5	27	33	$25^{+0.08}_{0}$	$32^{-0.1}_{-0.3}$
140	54	48	105	M30×1.5	30	39	$28^{+0.08}_{0}$	$36^{-0.1}_{-0.3}$
150,160	60	55	110	M36×1.5	34	39	$32^{+0.10}_{0}$	$40^{-0.1}_{-0.3}$



DOUBLE-THREAD KNUCKLE JOINT(Y) Y型接头

(mm)

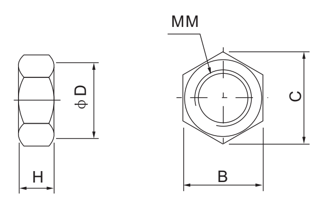
Bore Size缸径	ϕE1	L1	MM	R1	U1	ϕND_{H10}	NX	N2
125	46	105	M30×1.5	27	42	$25^{+0.08}_{0}$	$32^{-0.1}_{-0.3}$	64
140	48	105	M30×1.5	30	47	$28^{+0.08}_{0}$	$36^{-0.1}_{-0.3}$	72
150,160	55	110	M36×1.5	34	46	$32^{+0.10}_{0}$	$40^{-0.1}_{-0.3}$	80



ROD NUT 螺母

(mm)

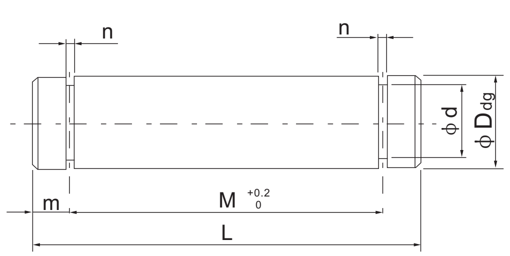
Bore Size缸径	MM	H	B	C	ϕD
125,140	M30×1.5	18	46	53.1	44
150,160	M36×1.5	21	50	63.5	53



PIN FOR CLEVIS 销子

(mm)

Bore Size 内径 / KNUCKLE	ϕD_{d9}	L	M	m	n	ϕd
ϕ125	$25^{-0.06}_{-0.11}$	79.5	69.5	4	1.75	19
ϕ140	$28^{-0.08}_{-0.14}$	80.6	72.3	2.5	1.65	26.6
ϕ150,160	$32^{-0.08}_{-0.14}$	89.6	80.3	3	1.65	30.3



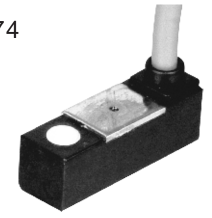
AUTO SWITCH

磁性开关

CHAPTER 05 第5章

C73

C74



A72

A73

A54

A55

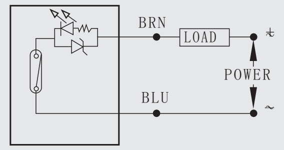
Clamp
固定钢带

Bracket
固定夹具

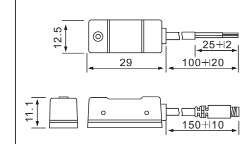
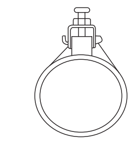
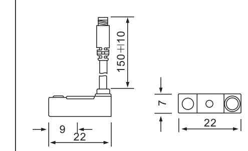
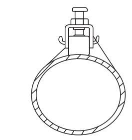
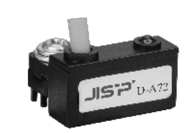
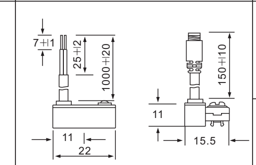
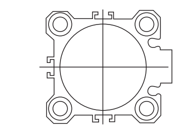
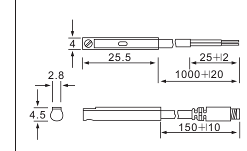
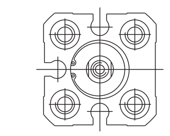
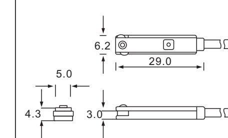
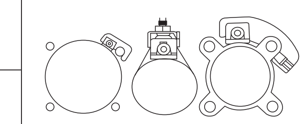
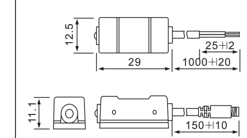
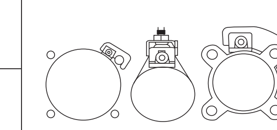
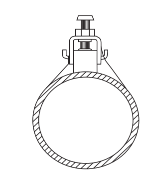
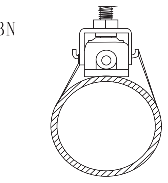
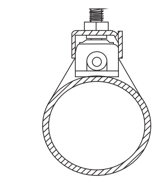
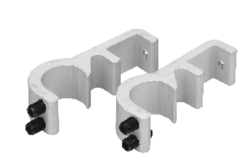
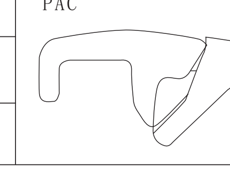
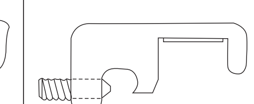
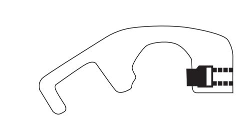
APPLICABLE SWITCH适用磁性开关

Cylinder type 气缸系列	Auto switch mounted 磁性开关安装方式			Applicable switch 适用磁性开关 Reed switch 舌簧开关	
	Clamp mounted 环带安装	Orbit mounted 轨道安装	Tie rod mounted 拉杆安装	DC直流・AC交流	
JCM2B	●			D-C73	A-C73
JCA2B			●	D-A54	A-A54
JCS1B			●	D-A54	A-54
JCQ2B		●		D-A73	A-A73

PARAMETER/CONNECT DIAGRAM 规格参数/接线图

Parameter 规格参数 \ Connect Diagram 接线图	
Wiring Method 配线方式	二线式（2-Wire Type)
Sweitching Logic 开关逻辑	SPST常开型（Normally Open)
Sinsor Type 开关类型	Reed switch 舌簧开关
Operating Voltage 使用电压范围	5~240V DC/AC
Switching Current 最大开关电流	100 mA max.
Contact Rating 触点容量	10 W max.
Current Consumption 消耗电流	None 无
Voltage Drop 内部电压降	3.0 V max.
Leakage Current 泄露电流	None 无
Indicator Color 指示灯颜色	红色 LED
Max Exchange Frequercy 最大切换频率	200Hz
Temperature Range 使用温度范围	-10~70℃
Shock 耐冲击	30G
Vibration 耐震动	90G
Enclosure Classification 保护构造等级	IP67
Protection Circuit 保护回路	None 无
Cable 电线	2.8Φ, 2C, PVC

AUTO SWITCH ORERING 磁性开关选型表

Auto switch photo 开关图片	Modle 型号	Sensor type 开关类型	Diemsions 外形尺寸	Voltage operating 使用电压	Applicable cylinder 适用气缸
C73 	D-C73	Reed switch 舌簧开关		5~240V DC	
	A-C73			5~240V AC	
C74 	D-C74	Reed switch 舌簧开关		5~240V DC	
	A-C74			5~240V AC	
A72 	D-A72	Reed switch 舌簧开关		5~240V DC	
	A-A72			5~240V AC	
A73 	D-A73	Reed switch 舌簧开关		5~240V DC	
	A-A73			5~240V AC	
A54 	D-A54	Reed switch 舌簧开关		5~240V DC	
	A-A54			5~240V AC	
A55 	D-A55	Reed switch 舌簧开关		5~240V DC	
	A-A55			5~240V AC	
	Clamp 固定钢带	BK clamp BK固定钢带 PBN clamp PBN固定钢带 PN clamp PN固定钢带	BK 	PBN 	PN 
	Bracket 固定夹具	PAC PM PN	PAC 	PM 	PN 

MEMO

AIR HYDRO CONVERTER 气液转换器 Series
BOOSTER CYLINDER 增压缸 Series

CHAPTER 06 第6章

Air hydro converter
气液转换器

Direct compressed type
Booster cylinder
直压型增压缸

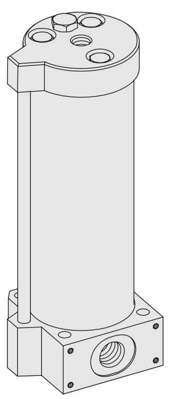
Precompressed type
Booster cylinder
预压型增压缸

□JCT 63,100,160
□JNBH 40,60

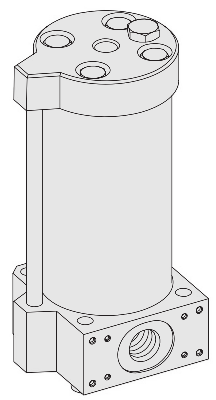
JCT Series

Air Hydro Controller气液转换器

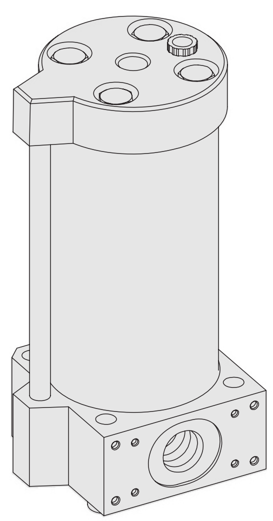
□Pressure(压力) 3~7bar



JCT 63x100



JCT 100x100



JCT 160x100

SPECIFICATION 规格

Usage Pressure 压力	3~7bar
Guaranteed Internal Pressure 保证内部压力	10.5bar
Ambient &Fluid Temp. 环境及流体温度	5~50℃
Fluid 润滑	Tubin Oil, Hydercting Diameter(40~100cst) 透平油

The Material of Parts 部件材质

- Body : Die-Cast Aluminium
- Tube : Aluminium Extruding
- Indicator Tube : Polycarbonate
- Floot : Bubble Resin
- Tie Rod : Carbon Iron
- Nut Part : STS304

- 阀体：压铸铝
- 管：铝
- 指示管：聚氨脂
- 溢流管：树脂
- 活塞杆：碳钢
- 螺帽：ＳＴＳ３０４

※ The specification on each item can be amended without any prenotice to improve a performance.
※ The specification on each item can be different from actual specification.
※ 对产品性能的改善，不会预先通知。※ 规格描述可能与实际规格不完全相同。

ORDERING CODE 订购代号

JCT 63 - 100

Diameter of Converter 直径

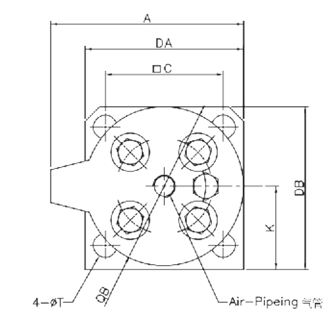
63	63mm
100	100mm
160	160mm

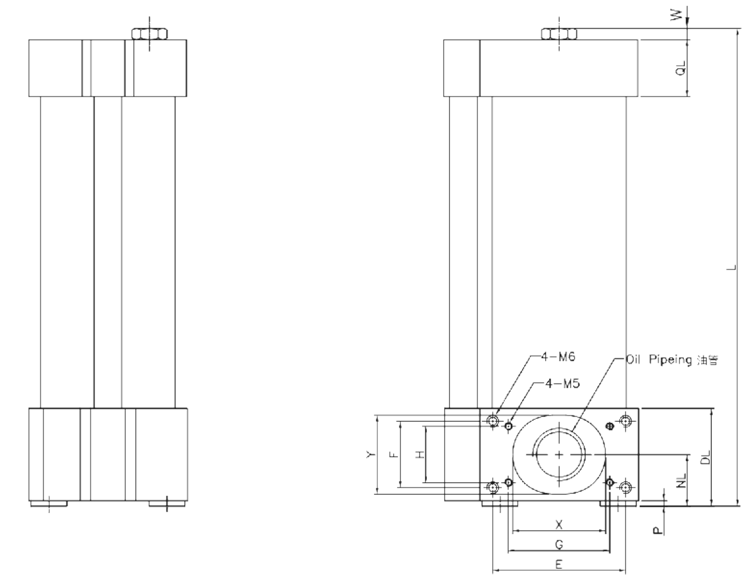
Standard Effective Stroke(Str) 标准行程

	50	100	150	200	250	300	350	400	500	600	700	800
63	○	○	○	○	○	○	○	○	○	×	×	×
100	×	○	○	○	○	○	○	○	○	○	×	×
160	×	×	×	○	○	○	○	○	○	○	○	○

※ Except to the above stroke statements, stroke design can be according to a quotation. ※除以上行程，可以按要求订制。

JISP





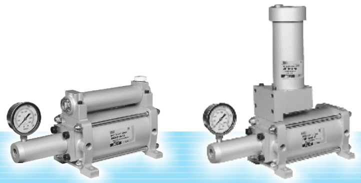
MODEL NO.\ITEM 型号	Air Port (PT) 气接口	Oil Port (PT) 油接口	A	□C	DA	DB	DL	E
JCT 63	3/8	3/4	104	64	86	89	53	72
JCT 100	1/2	1	139	92	117	124	61	100
JCT 160	3/4	1 1/4	202	144	180	183	59	100

MODEL NO.\ITEM 型号	F	G	H	K	NL	P	QB	QL	φT	W	X	Y
JCT 63	36	72	36	45	28	3	86	31	11	6	35	35
JCT 100	40	72	36	65	33	5	118	32	13	6	53	45
JCT 160	40	72	36	93	29	0	180	48	18	6	44	44

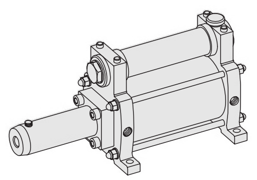
'L'Dimension 'L'尺寸

MODEL NO.\STROKE 型号	50	100	150	200	250	300	350	400	500	600	700	800
JCT 63	224	294	344	394	444	494	544	594	694	-	-	-
JCT 100	-	304	354	404	454	504	554	604	704	804	-	-
JCT 160	-	-	-	414	464	514	564	614	714	814	914	1014

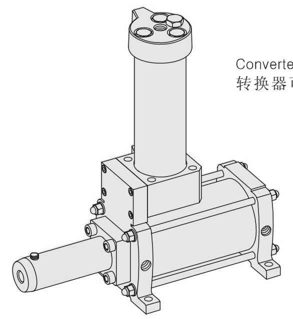
Direct Compressed Type/ Precompressed Type直压型/预压型



Direct Compressed Type
直压型
JNBH3-40 (11:1)
JNBH3-60 (25:1)



Precompressed Type
预压型
JNPH3-40 (11:1)
JNPH3-60 (25:1)



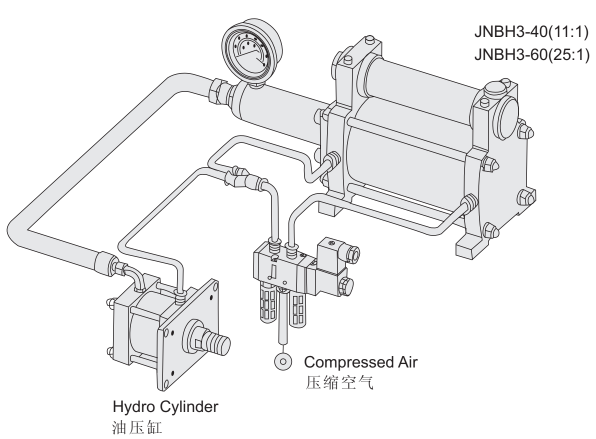
Converter is Optional
转换器可选

SPECIFICATION 规格

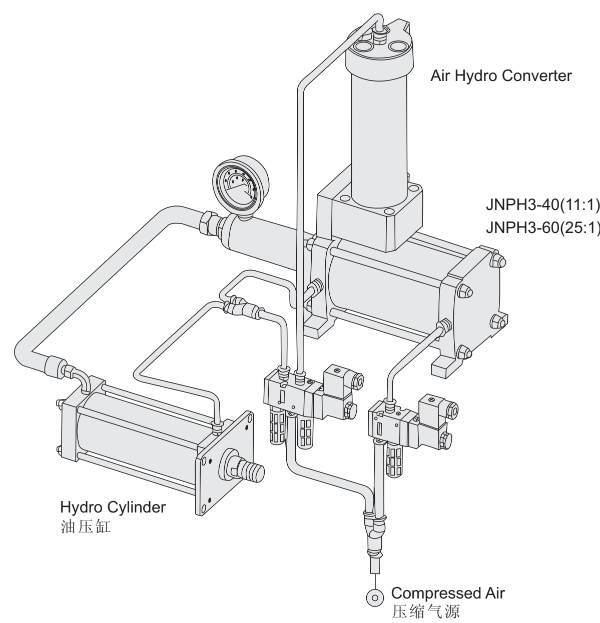
ITEM 项目 \ SERIES 系列		JNBH3-40 / JNPH3-40	JNBH3-60 / JNPH3-60
Heavy Pressure Rate 高压比		11 : 1	25 : 1
Overflowing Oil Gauge 溢流量		70cm³(70cc)	70cm³(70cc)
Overflowing Oil Pressure at the Time of Application Maximun air Pressure Temperature 最大气压时油压力		77kgf/cm²	175kgf/cm²
Ambient & Fluid Temp 环境及流体温度		5~60℃(41~140℉)	
Operation Oil 用油		Hydraulic liguid 液压油	
Air Pressure Department 气压部分	Flux 流体	Air 气	
	Oil-Feeding 供油	Not Require 不需要	
	Pressure 压力	3~7bar	
	Oil 油	Tubin oil,Oil Equivalent to ISO VG 32#	
Weight(direct pressure) 重量（直压型）		8.0kgf	10.0kgf

The Material of Parts 部件材质

- Rod Cover : Die-Cast Aluminium ■ 前盖：压铸铝
- Head Cover : Die-Cast Aluminium ■ 后盖：压铸铝
- Tube : Aluminium Extruding ■ 管：铝管
- Tie Rod : Carbon Iron ■ 拉杆：碳钢
- Hex Nut : Carbon Iron ■ 六角螺母：碳钢



Direct Compressed Type 直接压缩型



Precompressed Type 预压型

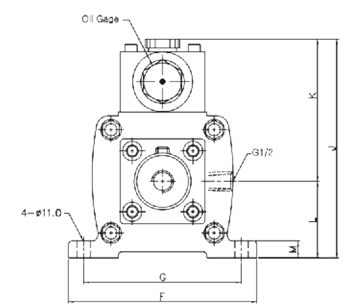
ORDERING CODE 订购代号

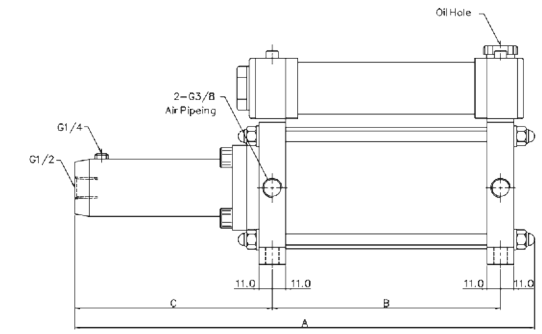
JNBH 3 - 40 - 70

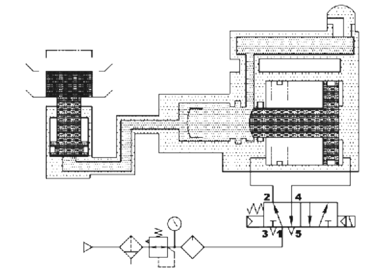
Booster Series 增压缸类型	
JNBH3	Direct Compressed Type 直接压缩型
JNPH3	Precompresses Type 预压型

Heavy Pressure Rate 缩放比	
40	(11 : 1)
60	(25 : 1)

Overflowing 流量	
70	70CC
100	100CC



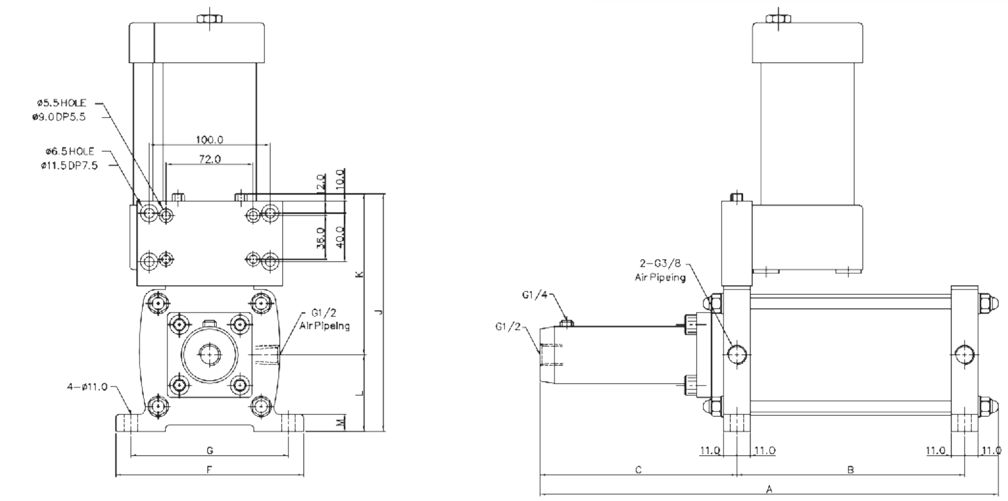




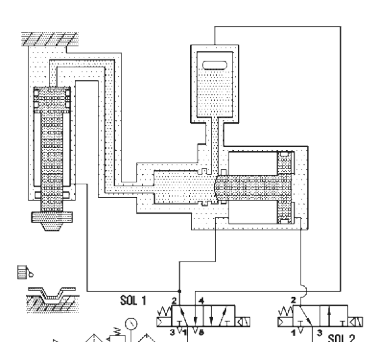
MODEL NO.型号	A	B	C	F	G	J	K	L	M
JNBH3-40-70	378	188	162.5	155	130	180	120	60	14
JNBH3-40-100	478	238	212.5						
JNBH3-60-70	378	188	162.5	225	190	227	137	90	16
JNBH3-60-100	478	238	212.5						

Precompressed Type 预压型

MODEL NO.型号	A	B	C	F	G	J	K	L	M
JNBH3-40-70	378	188	162.5	155	130	180	120	60	14
JNBH3-40-100	478	238	212.5						
JNBH3-60-70	378	188	162.5	225	190	227	137	90	16
JNBH3-60-100	478	238	212.5						

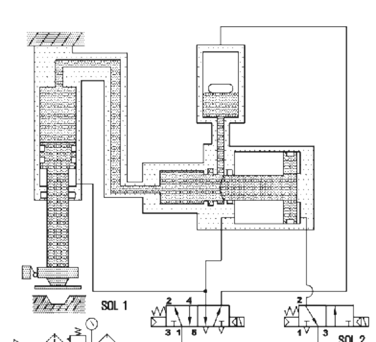


▶ Ending stroke
终端行程



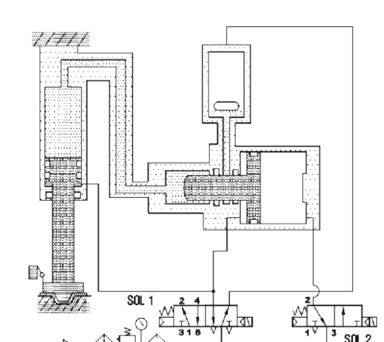
[SOL 1 OFF / SOL 2 OFF]

▶ Precompressed Travelling stroke
预压行程



[SOL 1 ON / SOL 2 OFF]

▶ Travelling stroke
工作行程



[SOL 1 ON / SOL 2 ON]