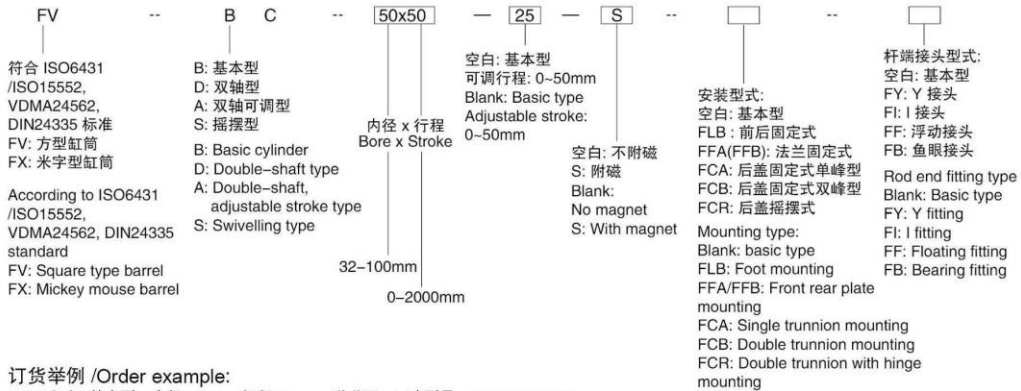




FVBC/FXBC系列ISO6431/ISO15552标准气缸 FVBC/FXBC Series ISO6431/ISO15552 Standard Cylinder



订货举例 How to Order?



订货举例 /Order example:

- * FV 系列, 基本型, 内径32mm, 行程50mm, 附磁石, 正确型号: FVBC 32X50-S
- * FX 系列, 双轴型, 内径63mm, 行程150mm, 不附磁石, 正确型号: FXDC 63x150
- * FV series square type, basic type, 32mm bore, 50mm storke, with magnet, model: FVBC 32x50-S
- * FX series mickey mouse type, double-shaft type, 63mm bore, 150mm stroke, model: FXDC 63x150

产品特性 Product Features

- * FV/FX系列气缸根据ISO6431/ISO15552标准,VDMA24562标准,DIN24335标准进行设计生产。
- * 该系列气缸E.MC有两种形式, 方型气缸和米字型气缸。
- * 气缸端盖带可调缓冲使气缸运行平稳, 无冲击。
- * 采用含油轴承, 使活塞杆无需加油润滑。
- * 附磁及其他安装方式可选。
- * FV series are with similar festo DNC appearance, with slot on the cylinder barrel and end covers for magnet sensor mounting more conveniently.
- * FX series are with festo style end covers and mickey mouse barrel to be cost effective.
- * Adjustable cushion on both end covers to make sure the cylinder works very smoothly safely and with low noise.
- * With self lubricating bearing, the piston rod is lubrication free.
- * Magnet and sufficient fixing styles are available.

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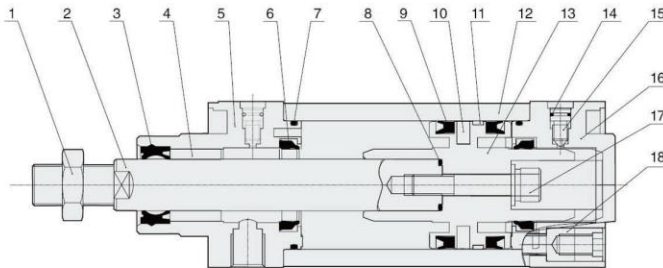
FVBC/FXBC Series

FVBC/FXBC系列

规格 Specifications

内径 Bore Size(mm)	32	40	50	63	80	100
动作型式 Acting type	复动型 Double Acting					
工作介质 Working medium	经25μm滤芯过滤的空气 Clean Air (25 μm filtration)					
固定型式 Mounting type	FFA FFB FCA FCB FLB FCR					
杆端接头型式 Rod end fitting type	FY FI FF FB					
使用压力范围 Range of working pressure (Bar)	1 ~ 9					
保证耐压力 Guaranteed pressure (Bar)	13.5					
使用温度范围 Working temperature (°C)	-5 ~ 70					
使用速度范围 Speed range (mm/s)	50~800					
缓冲型式 Cushion type	可调缓冲 Adjustable Cushion					
缓冲行程 Cushion stroke (mm)	24			32		
接管口径 Port size	G 1/8	G 1/4	G 3/8		G 1/2	

内部结构 Internal Structure



序号 NO	名称	Designation
1	螺母	Nut
2	活塞杆	Piston rod
3	防尘圈	Piston rod seal
4	含油轴承	Self lubricating bearing
5	前盖	Head cover
6	缓冲圈	Cushion seal
7	管壁O令	Cover O-ring
8	活塞杆O令	Piston rod O-ring
9	活塞密封件	Piston seal
10	磁石(可选)	Magnet (optional)
11	耐磨环	Wear ring
12	缸筒	Barrel
13	活塞	Piston
14	O令	O-ring
15	缓冲调节针	Cushion needle
16	后盖	Rear cover
17	内六角螺钉	Hexagon screw
18	端盖固定螺丝	Profile bolt

主要零件材质 Main Parts Material

零件名称 Part name	材质 Material
前盖 Head cover	铝合金 Aluminum alloy
后盖 Rear cover	铝合金 Aluminum alloy
活塞 Piston	铝合金 Aluminum alloy
活塞杆 Piston rod	S45C 镀硬铬研磨棒 S45C hard chrome carbon steel
缸筒 Barrel	铝合金 Hard anodized aluminum
防尘圈 Piston rod seal	聚氨酯 PUR
缓冲圈 Cushion seal	NBR
活塞杆O令 Piston rod O-ring	NBR
管壁O令 Cover O-ring	NBR
活塞密封件 Piston seal	NBR
耐磨环 Wear ring	PA66
含油轴承 Self lubricating bearing	PTFE+ 铜(Brass)
磁石(可选) Magnet (optional)	
缓冲调节针 Cushion needle	黄铜 Brass
内六角螺钉 Hexagon screw	碳钢 Carbon steel
螺母 Nut	碳钢 Carbon steel
	碳钢 Carbon steel
拉杆 Tie rod	碳钢 Carbon steel



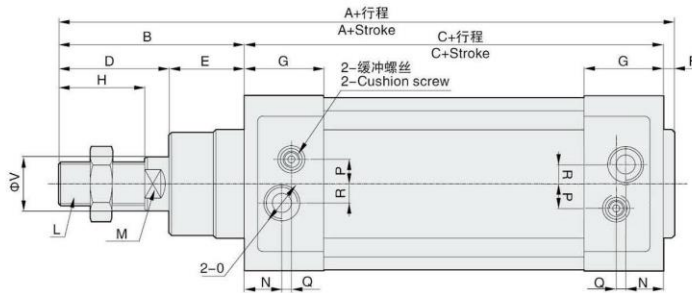
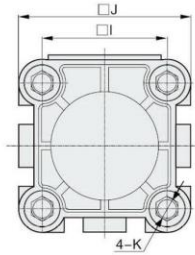
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基本尺寸 Main dimensions

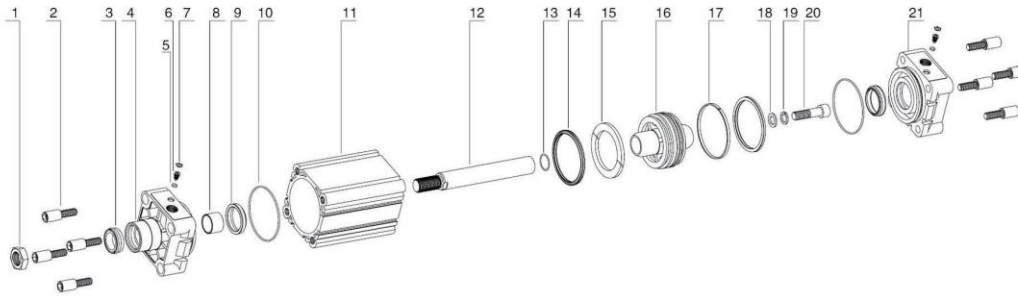
FVBC



内径/符号 Bore/Sign	A	B	C	D	E	F	G	H	I	J
32	146	48	94	30	18	4	25	22	32.5	45
40	163	54	105	32.5	21.5	4	29.5	24	38	54
50	179	69	106	41	28	4	29.5	32	46.5	64
63	194	69	121	40.5	28.5	4	35.5	32	56.5	75
80	218	86	128	51.3	34.7	4	36	40	72	93
100	233	91	138	53	38	4	39	40	89	110

内径/符号 Bore/Sign	K	L	N	O	P	Q	R	V	M
32	M6	M10X1.25	15.6	G1/8	7	3	6	12	10
40	M6	M12X1.25	14	G1/4	7	9.6	4.5	16	13
50	M8	M16X1.5	14	G1/4	9	3.5	7	20	17
63	M8	M16X1.5	17	G3/8	9.7	6.6	8.3	20	17
80	M10	M20X1.5	16.4	G3/8	12.1	10.5	8.3	25	22
100	M10	M20X1.5	18.8	G1/2	12.1	8	8.3	25	22

FVBC系列气缸散件 FVBC Series Cylinder Kits



序号 No	1	2	3	4	5	6	7	8	9	10	11
名称	螺母	端盖固定螺丝	防尘圈	前盖	O令	调节螺钉	挡片	含油轴承	缓冲圈	O令	缸筒
Designation	Nut	Cover connection screw	Piston rod seal	Head cover	O-ring	Adjustable screw	Block slip	Self Lubricating bearing	Cushion ring	O-ring	Barrel

序号 No	12	13	14	15	16	17	18	19	20	21
名称	活塞杆	O令	活塞密封件	磁石	活塞	耐磨环	平垫	弹垫	内六角螺钉	后盖
Designation	Piston rod	O-ring	Piston seal	Magnet	Piston	Wear ring	Plain cushion	Spring cushion	Screw	Rear cover

