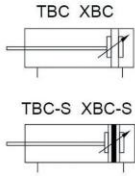




## TBC/XBC系列标准气缸 TBC/XBC Series Standard Cylinder

TBC/XBC 系列

TBC/XBC Series



### 订货举例 How to Order?



- \* T 系列, 基本型, 内径32mm, 行程50mm, 附磁石, 正确型号: TBC 32X50-S
- \* X 系列, 双轴可调型, 内径40mm, 行程200mm, 可调行程20mm, 正确型号: XAC 40X200-20
- \* T series cylinder, basic type, 32mm bore, 50mm stroke, with magnet, model: TBC 32X50-S
- \* X series cylinder, double shaft with adjustable stroke 20mm, 40mm bore, 200mm stroke, model: XAC 40X200-20

### 产品特性 Product Features

- \* 除带固定缓冲外, 气缸终端还带可调缓冲, 使气缸换向时平稳无冲击。
- \* 采用含油轴承, 使活塞杆无需加润滑油。
- \* 附磁及其他安装方式可选。
- \* Provided with 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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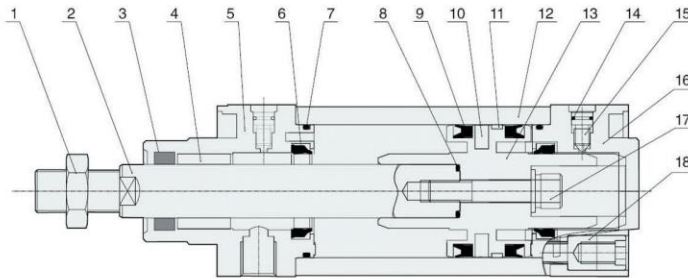
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规格 Specifications

内径 Bore Size(mm)	32	40	50	63	80	100	125	160	200
动作型式 Acting type	复动型 Double Acting								
工作介质 Working medium	经25 μm滤芯过滤的空气 Clean Air (25 μm filtration)								
固定型式 Mounting type	TFA TFB TCA TCB TLB TTC TTC-M								
杆端接头型式 Rod end fitting type	VY VI VF VB								
使用压力范围 Range of working pressure (Bar)	1-9.0								
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	G1/8	G1/4	G3/8		G1/2		G 3/4		

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型圈	Cover O-ring
8	活塞杆O型圈	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型圈	O-ring
15	缓冲调节针	Cushion needle
16	后盖	Rear cover
17	内六角螺钉	Hexagon nut
18	拉杆螺母	Tie rod nut

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	NBR
缓冲圈 Cushion seal	NBR
活塞杆O型圈 Piston rod O-ring	NBR
管壁O型圈 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
内六角螺栓 Hexagon nut	碳钢 Carbon steel
螺母 Nut	碳钢 Carbon steel
拉杆螺母 Tie-rod nut	碳钢 Carbon steel
拉杆 Tie rod	碳钢 Carbon steel



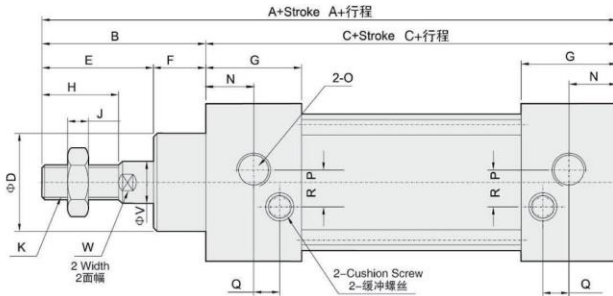
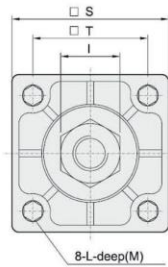
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基本尺寸 Main Dimensions

TBC  $\Phi 32-\Phi 100$

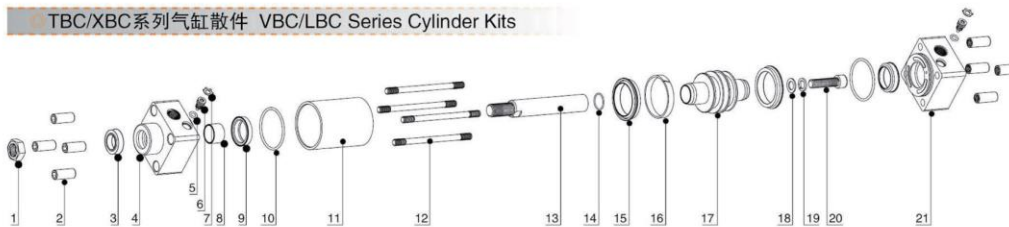


内径/符号 Bore/Sign	A	B	C	D	E	F	G	H	I	J	K	L
32	140	47	93	25	32	15	27.5	22	17	6	M10 × 1.25	M6 × 1
40	142	49	93	32	34	15	27.5	24	17	7	M12 × 1.25	M6 × 1
50	150	57	93	35	42	15	27.5	32	23	8	M16 × 1.5	M6 × 1
63	153	57	96	35.5	42	15	27.5	32	23	8	M16 × 1.5	M8 × 1.25
80	182	75	107	47	54	21	33	40	26	10	M20 × 1.5	M10 × 1.5
100	188	75	113	47	54	21	33	40	26	10	M20 × 1.5	M10 × 1.5

内径/符号 Bore/Sign	M	N	O	P	Q	R	S	T	V	W
32	9.5	13.7	G 1/8	3.5	7.5	7	45	33	12	10
40	9.5	13.5	G 1/4	6	8.2	9	50	37	16	14
50	9.5	13.5	G 1/4	8.5	8.2	9	62	47	20	17
63	9.5	13	G 3/8	7	8.5	8.5	75	56	20	17
80	13.5	16.5	G 3/8	10	8	10	94	70	25	22
100	13.5	16.5	G 1/2	7.5	8	13	112	84	25	22

- \* 附磁型与不附磁型之尺寸相同
- \* 125mm以上缸径外形尺寸同VBC系列 (ISO6431标准) 气缸
- \* The dimension of the model with magnet is the same with the model without magnet
- \* Bore  $\geq 125$ mm, the dimension is the same as VBC series (ISO6431 standard) cylinder

TBC/XBC系列气缸散件 VBC/LBC Series Cylinder Kits



序号 No	1	2	3	4	5	6	7	8	9	10	11
名称	螺母	拉杆螺母	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	Tie-rod nut	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	拉杆	活塞杆	O令	活塞密封件	耐磨环	活塞	平垫	弹垫	内六角螺钉	后盖
Designation	Tie rod	Piston rod	O-ring	Piston seal	Wear ring	Piston	Plain cushion	Spring cushion	Hexagon nut	Rear cover

