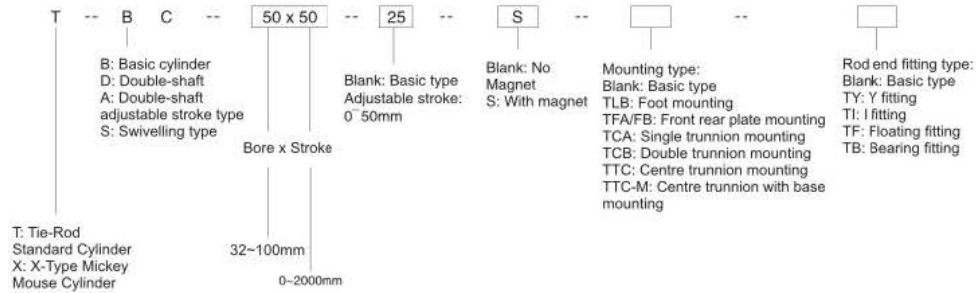


How to Order?



* 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

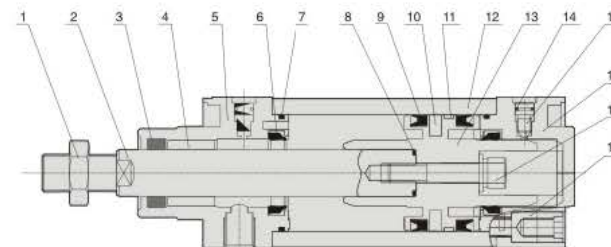
Product Features

- * 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.

Specifications

Bore Size(mm)	32	40	50	63	80	100	125	160	200
Acting type	Double Acting								
Working medium	Clean Air (25 µm filtration)								
Mounting type	TFA TFB TCA TCB TLB TTC TTC-M								
Rod end fitting type	YY VI VF VB								
Range of working pressure (Bar)	1-9.0								
Guaranteed pressure (Bar)	13.5								
Working temperature (°C)	-5 - 70								
Speed range (mm/s)	50-800								
Cushion type	Adjustable Cushion								
Cushion stroke (mm)	32								
Port size	G1/8	G1/4	G3/8			G1/2		G 3/4	

Internal structure



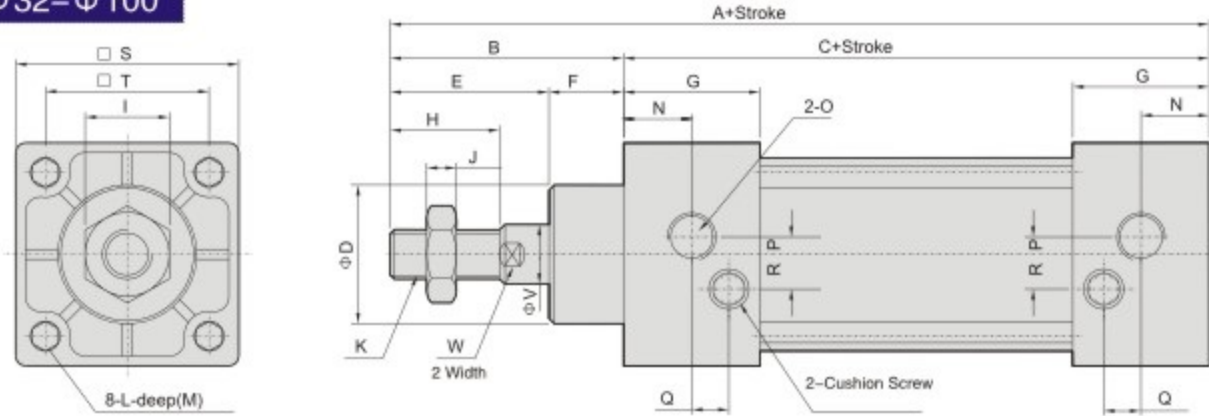
NO	Designation
1	Nut
2	Piston rod
3	Piston rod seal
4	Self lubricating bearing
5	Head cover
6	Cushion seal
7	Cover O-ring
8	Piston rod O-ring
9	Piston seal
10	Magnet (optional)
11	Wear ring
12	Barrel
13	Piston
14	O-ring
15	Cushion needle
16	Rear cover
17	Hexagon nut
18	Tie rod nut

Main Parts Material

Part name	Material
Head cover	Aluminum alloy
Rear cover	Aluminum alloy
Piston	Aluminum alloy
Piston rod	S45C hard chrome carbon steel
Barrel	Hard anodized aluminum
Piston rod seal	NBR
Cushion seal	NBR
Piston rod O-ring	NBR
Cover O-ring	NBR
Piston seal	NBR
Wear ring	PA66
Self lubricating bearing	PTFE+ (Brass)
Magnet (optional)	RbFeb
Cushion needle	Brass
Hexagon nut	Carbon steel
Nut	Carbon steel
Tie-rod nut	Carbon steel
Tie rod	Carbon steel

○ Main Dimensions

TBC $\phi 32$ – $\phi 100$

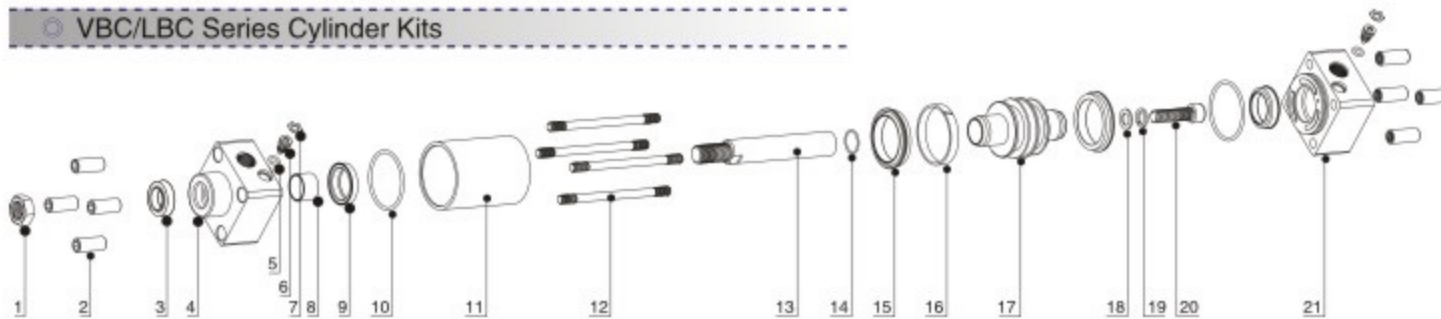


Bore/Sign	A	B	C	D	E	F	G	H	I	J	K	L
32	140	47	93	25	32	15	27.5	22	17	6	M10 x 1.25	M6 x 1
40	142	49	93	32	34	15	27.5	24	17	7	M12 x 1.25	M6 x 1
50	150	57	93	35	42	15	27.5	32	23	8	M16 x 1.5	M6 x 1
63	153	57	96	35.5	42	15	27.5	32	23	8	M16 x 1.5	M8 x 1.25
80	182	75	107	47	54	21	33	40	26	10	M20 x 1.5	M10 x 1.5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

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

* The dimension of the model with magnet is the same with the model without magnet
 * Bore ≥ 125 mm, the dimension is the same as VBC series (ISO6431 standard) cylinder

○ VBC/LBC Series Cylinder Kits

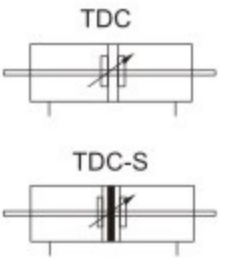


No	1	2	3	4	5	6	7	8	9	10	11
Designation	Nut	Tie-rod nut	Piston rod seal	Head cover	O-ring	Adjustable screw	Block slip	Self lubricating bearing	Cushion ring	O-ring	Barrel

No	12	13	14	15	16	17	18	19	20	21
Designation	Tie rod	Piston rod	O-ring	Piston seal	Wear ring	Piston	Plain cushion	Spring cushion	Hexagon nut	Rear cover

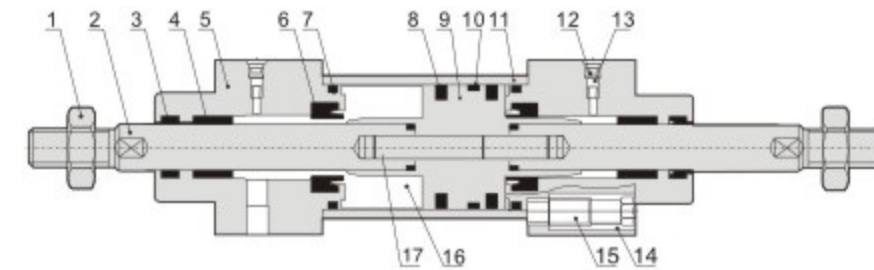


TDC 63 x 125



○ Internal Structure

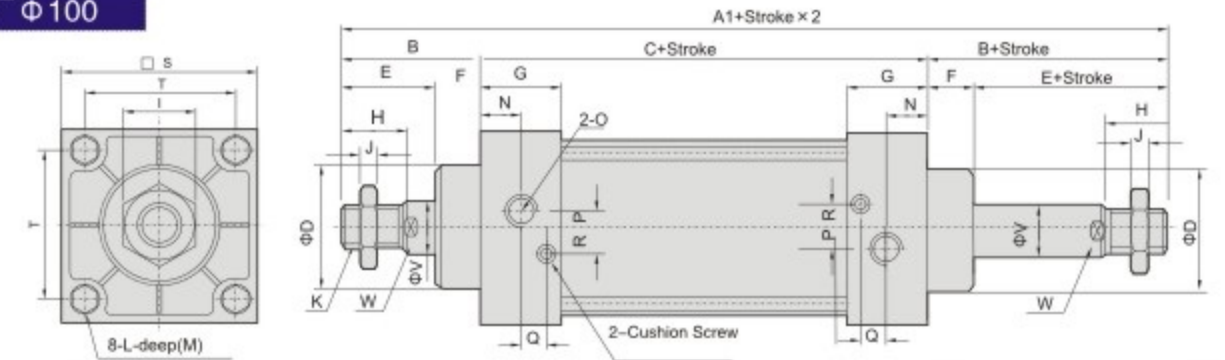
No magnet



NO	Designation
1	Nut
2	Piston rod
3	Piston rod seal
4	Self lubricating bearing
5	Head cover
6	Cushion seal
7	Cover O-ring
8	Piston seal
9	Piston
10	Wear ring
11	Barrel
12	Cushion anti-leakage O-ring
13	Adjustable cushion needle screw
14	Tie rod nut
15	Tie rod
16	Piston rod O-ring
17	Connection bolt

○ Main Dimensions

$\phi 32$ – $\phi 100$



Bore/Sign	A1	B	C	D	E	F	G	H	I	J	K	L
32	187	47	93	25	32	15	27.5	22	17	6	M10 x 1.25	M6 x 1
40	191	49	93	32	34	15	27.5	24	17	7	M12 x 1.25	M6 x 1
50	207	57	93	35	42	15	27.5	32	23	8	M16 x 1.5	M6 x 1
63	210	57	96	35.5	42	15	27.5	32	23	8	M16 x 1.5	M8 x 1.25
80	257	75	107	47	54	21	33	40	26	10	M20 x 1.5	M10 x 1.5
100	263	75	113	47	54	21	33	40	26	10	M20 x 1.5	M10 x 1.5

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

* The dimension of the model with magnet is the same with the model without magnet