

## VDMA/ISO6431 Cylinder

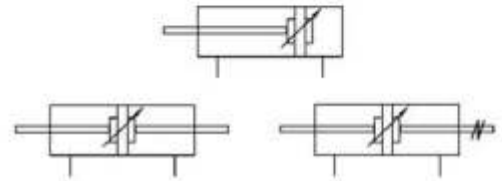
### Characteristic:

- Front and rear caps are finished by aluminum alloy die-casting, CNC mechanically processed with high precision.
- Aluminum tube is imported, stainless forever with friction & corrosion resistance.
- Adopt imported none lubrication, long time service and no need lubrication maintenance.
- Unique cushion technique makes smooth action.
- May add the sensor equipment to easily control.
- In terms of DNC series, pull-rod is hidden inside.










### Specification:

Type	32	40	50	63	80	100	125
Motion	Double acting						
Series	DNC, DNCD						
Fluid	air						
Operating pressure range (Mpa)	0.1-1						
Operating speed (mm/sec)	50-500						
Ambient temperature (°C)	-10~70						
Cushion	Adjustable cushion at both ends						
Port size (G)	1/8"	1/4"	3/8"	1/2"			



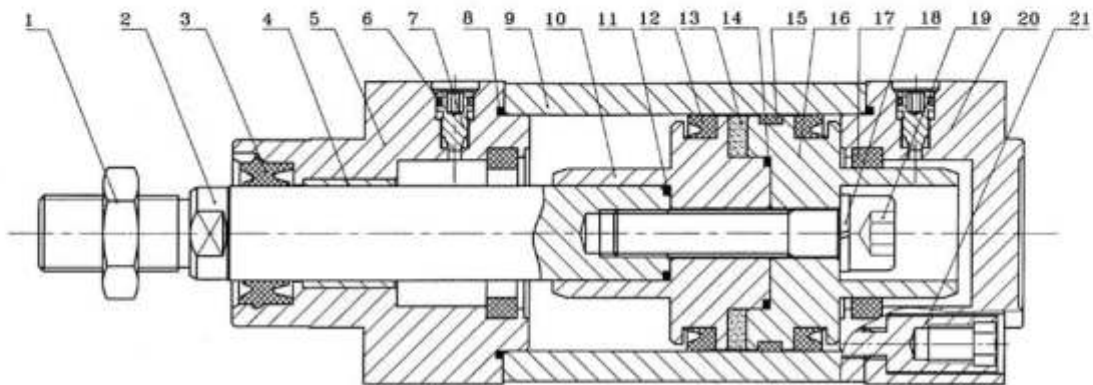
### How to order:

<b>DNC</b>	<b>50</b>	×	<b>100</b>	<b>FA</b>	<b>S</b>	<b>2</b>
Series	Bore		stroke	Mounting type	with magnet	Sensor
DNC Standard Cylinder DNCD Double axial Cylinder	φ 32 φ 40 φ 50 φ 63 φ 80 φ 100 φ 125			Blank(Standard)  FA  CB  FB  LB  CA  TC 	with magnet Switch magnet Blank without magnet	1: 1pcs 2: 2pcs

### Stroke:

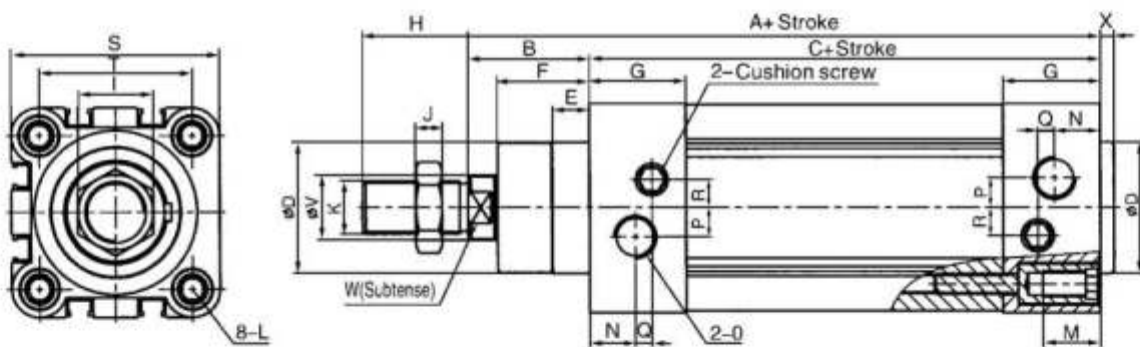
bore \ stroke	25	50	75	100	125	150	175	200	250	300	350	400	450	500	Max.stroke
32	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1000
40	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1200
50	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1200
63	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1500
80	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1500
100	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1500
125	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1500

Inner structure drawing:



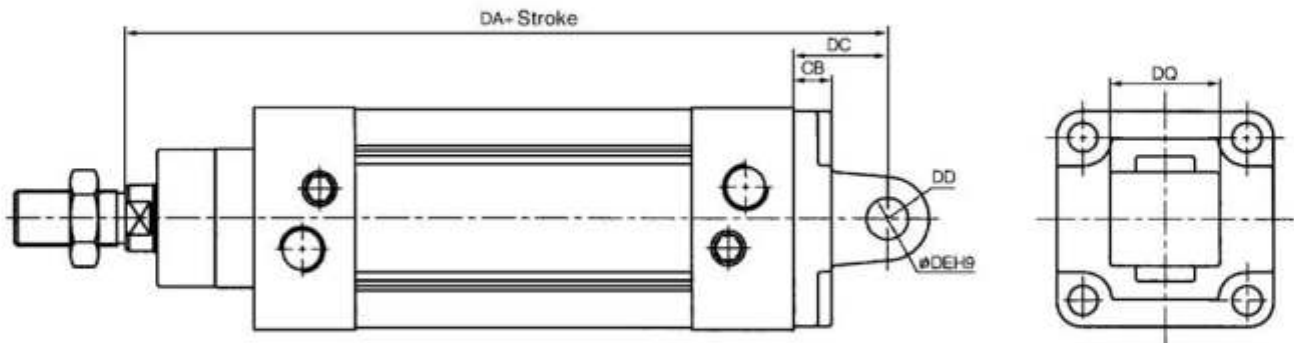
1	hexagon nut	7	cushion adjusting bolt	13	magnet	19	inner hexagon bolt
2	piston ring	8	O-ring	14	O-ring	20	rear cover
3	compageseal	9	tube	15	guard seals	21	cover nut
4	oiled bearing	10	piston 1	16	piston 2		
5	front cover	11	O ring	17	compageseal		
6	O-ring	12	Y seal	18	spring washer		

DNC Series

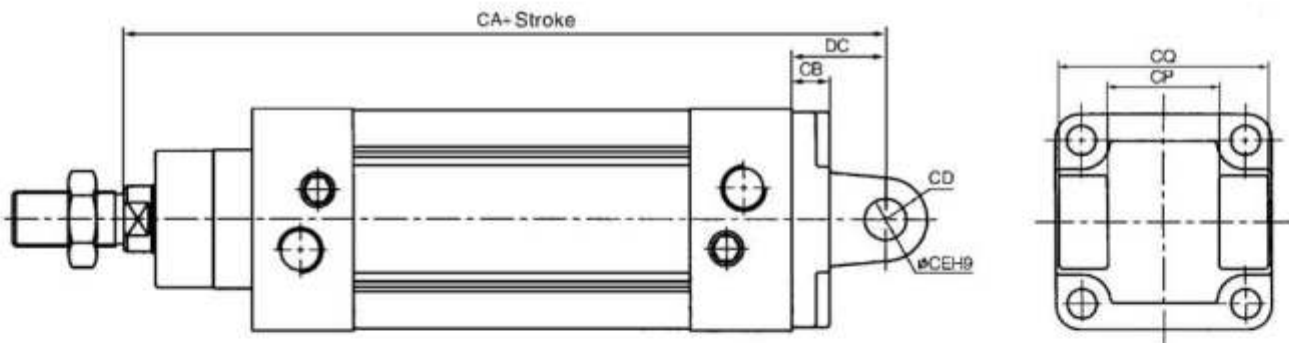


stroke \ Bore	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	V	W	X
32	120	26	94	30	10	18	25	22	17	6	M10x1.25	M6	16	14	G1/8	6	3	5	45	32.5	12	10	4
40	135	30	105	35	10	21.5	30	24	17	7	M12x1.25	M6	16	14	G1/4	6	3	6	54	38	16	13	4
50	143	37	105	40	12	28	29.5	32	23	8	M16x1.5	M8	17	14	G1/4	9	5	8	65	46.5	20	17	4
63	156	37	121	45	12	28.5	35.5	32	23	8	M16x1.5	M8	17	17	G3/8	11	6	10	74	56.5	20	17	4
80	174	46	128	45	16	34.5	36	40	26	10	M20x1.5	M10	17	17	G3/8	12	10	10	93	72	25	22	4
100	189	51	138	55	16	38	40	40	26	10	M20x1.5	M10	17	19	G1/2	12	10	10	110	89	25	22	4
125	225	65	160	60	20	46	45.5	54	38	11	M27x2	M12	22	19	G1/2	13	14	10	135	110	32	27	6

### CA-Single-ear mounting type

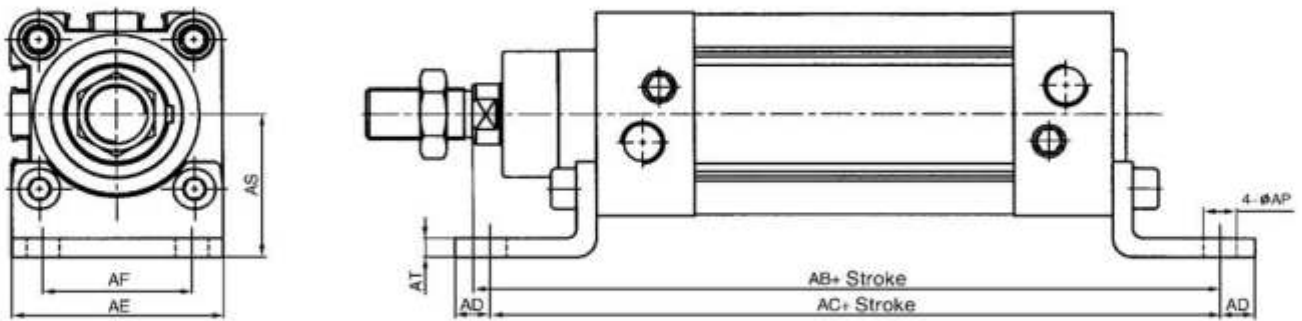


### CB-Double-ear mounting type

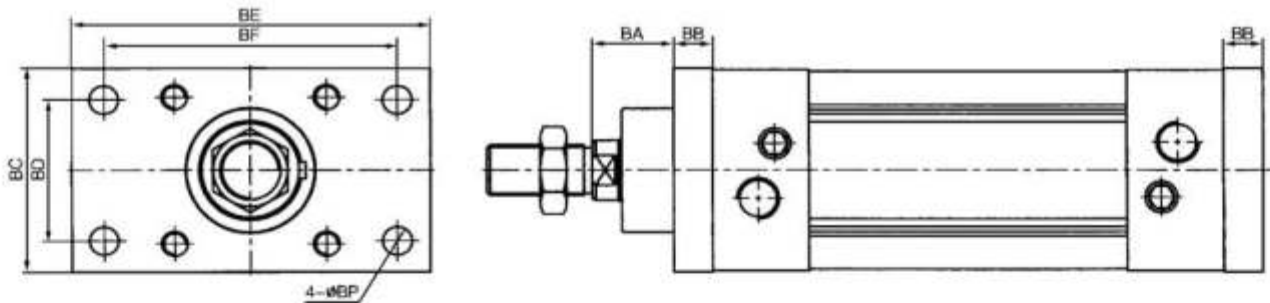


stroke Bore	DA	DC	CB	DD	ø DE	DQ	CA	CC	CB	CD	ø CE	CP	CQ
32	142	22	9	10	10	26	142	22	9	10	10	32	44.5
40	160	25	9	12	12	28	160	25	9	12	12	40	51.5
50	170	27	11	12	12	32	170	27	11	12	12	50	60
63	190	32	11	16	16	40	190	32	11	16	16	63	70
80	210	36	14	16	16	50	210	36	14	16	16	80	90
100	230	41	14	20	20	60	230	41	14	20	20	100	106
125	270	50	20	30	30	70	275	50	20	30	30	125	130

### LB-Foot bracket mounting type



### FA, FB-Front&rear flange mounting type



stroke	AB	AC	AD	AE	AF	AF <sup>2</sup>	AS	AT	BA	BB	BC	BD	BE	BF	BP
32	144	142	6.5	45	32	7	32	5	16	10	50	32	80	64	7
40	163	161	9	54	36	10	36	5	20	10	55	36	90	72	9
50	175	170	10.5	64	45	10	45	6	25	12	65	45	110	90	9
63	190	185	12.5	75	50	10	50	6	25	12	75	50	125	100	9
80	215	210	15	93	63	12	63	6	30	16	100	63	154	126	12
100	230	220	17.5	110	75	14.5	71	6	35	16	120	75	186	150	14
125	270	250	22	131	90	16.5	90	8	45	20	150	90	220	180	16