

DNC SERIES ISO6431 STANDARD CYLINDER



DNC32x100

Ordering Code

DNC

Model

DNC: Fixed Type
DNCF: With Buffer
Type
PNC: Micky Mouse
Barrel

63

Bore

X 50

Stroke

PPV

Buffer

Blank: Non
Buffer
PPV: Attach
Buffer

A

Magnet Code

Blank: Standard
Type
A: Inside Magnet

□

Fixed Type

Blank: Basic Type
LB: Front and
Back Fixed Type
FA: Front Cover
Fixed Type
SDB: Back Cover
Swinging Type

S2

S2: Double Piston Rod

K2: Lengthen Out Screw
K3: Front in Screw Thread
K5: Out Standard Screw
Thread
K8: Lengthen Piston Rod

Specification

Bore (mm)	32	40	50	63	80	100
Motion Pattern	Filtered Air					
Working Medium	Double Action					
Compression Pressure	1.5MPa					
Max. Operating Pressure	1.0MPa					
Min. Operating Pressure	0.1MPa					
Buffer	Air Buffer (Standard)					
Ambient Temperature	5~60℃					
Operating Speed	50~500mm/s					
Margin of Stroke Error (mm)	0~250 ^{+1.0} ₀ 251~1000 ^{+1.5} ₀ 1001~1500 ^{+2.0} ₀					
Operating Life	Not Less Than 4000Km					
Lubricate	Not Necessary					
Port Size	1/8"	1/4"		3/8"		1/2"

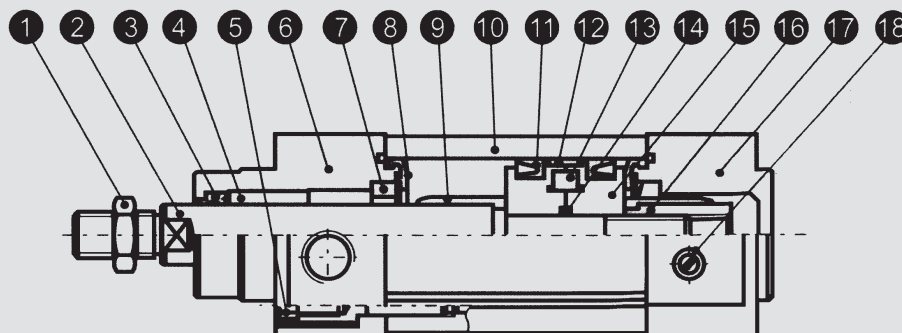
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Stroke

Bore	Standard Stroke	Buffer Stroke	Max. Stroke Range
32	25 40 50 80 100 125 160 200 250 320 400 500	20	10~2000
40			
50			
63		22	
80			
100		32	

Bore	Magnetism Switch Min. Stroke	Magnetism Switch Type
32	32	KCK2400C (Embedding Type)
40	40	
50	50	
63	63	
80	80	
100	100	

Structure Drawing



Part Sheet

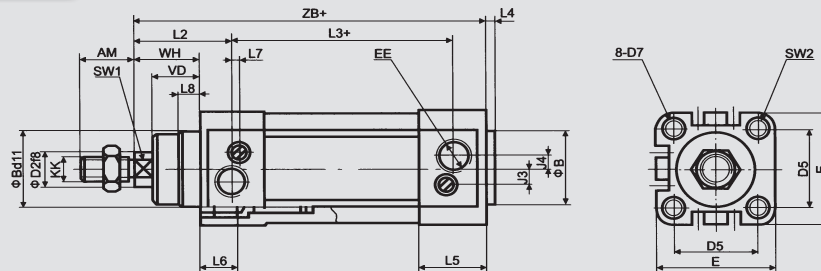
No.	Name	Material
1	Nut	35
2	Piston Pot	45
3	Axes Envelop	PU
4	Guide Envelop	Oiliness Bearing
5	Pot Bolt	35
6	Front Cover	ZZnAl4-1
7	Buffer Seal Ring	PU
8	Buffer Seal Spacer	PU
9	Buffer Piston	POM
10	Cylinder Barrel	A6063-TS
11	"Y" Ring	NBR

No.	Name	Material
12	Washer	F4
13	Magnetic Ring	Magnetic Plastic
14	O-ring	NBR
15	Front and Back Piston	LY12
16	Compaction Nut	LY12
17	Back Cover	ZZnAl4-1
18	Adjust Valve Pin	HPb59-1

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Overall Dimension

Basic type
DNC...PPV-A

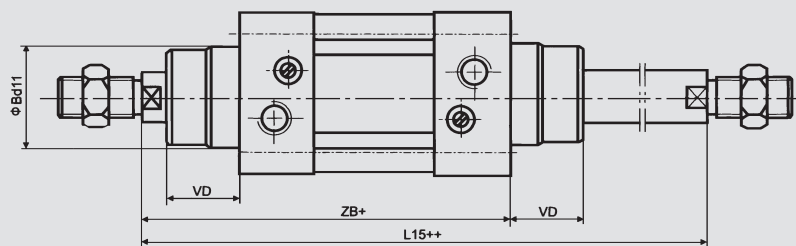


Dimension Sheet

Bore	AM	B	D2	D5	D7	E	EE(G)	J3	J4	KK	L2	L3	L4	L5	L6	L7	L8	SW1	SW2	VD	WH	ZB
32	22	30	12	32.5	M6	45	1/8	6	5.2	M10x1.25	41.6	62.8	4	25.1	16	3.3	10	10	6	18	26	120
40	24	35	16	38	M6	54	1/4	8	6	M12x1.25	44	77	4	29.6	16	3.6	10.5	13	6	21.5	30	135
50	32	40	20	46.5	M8	64	1/4	10	8.5	M16x1.5	51	78	4	29.6	17	5.1	11.5	17	8	28	37	143
63	32	45	20	56.5	M8	75	3/8	12.4	10	M16x1.5	54	87	4	35.6	17	6.6	15	17	8	28.5	37	158
80	40	45	25	72	M10	93	3/8	12.5	8	M20x1.5	62.4	95.2	4	35.9	17	10.5	15.7	22	10	34.7	46	174
100	40	55	25	89	M10	110	1/2	1.8	10	M20x1.5	69.8	100.4	4	38.8	17	8	19.2	22	10	38.2	51	189

Overall Dimension

Double rod type
DNC...PPV-A-S2



Dimension Sheet

Bore	B	L15	VD	ZB
32	30	46	18	120
40	35	165	21.5	135
50	40	180	28	143
63	45	195	28.5	158
80	45	220	34.7	174
100	551	240	38.2	189