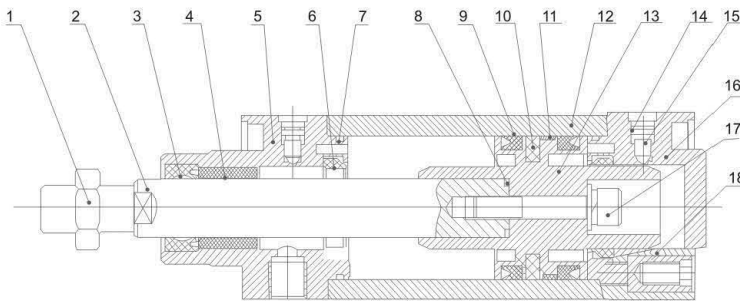




### Ordering Code

<input type="checkbox"/>	<b>DNC</b>	50 ×	100	—	25	—	S	—	<input type="checkbox"/>
<b>Tube Type</b>	<b>Series Code</b>	<b>Cylinder Bore</b>	<b>Stroke</b>		<b>Adjust Stroke</b>		<b>Magnet Code</b>		<b>Fixed Type</b>
Blank: Square Type T: Tie-rod Type M: Mickey Mouse Type	DNC: ISO6431 Standard Double Action Type DNCD: ISO6431 Standard Two Axis Double Action Type DNCJ: ISO6431 Two Axis Stroke Adjust Type	32mm-125mm			25: 25mm 50: 50mm 75: 75mm		Blank: Without Magnet S: With Magnet		Blank: Normal type LB: Front and back fixed type FA: Front cover fixed type (Front flange type) FB: Back cover fixed type (Back flange type) CA: Back cover fixed type (Single earring) CB: Back cover fixed type (Double earring) SDB: Back cover fixed type

### Internal structure



NO	Designation	NO	Designation
1	Piston Rod Nut	2	Piston Rod
3	Front Cover Seal Ring	4	Bearing
5	Front Cover	6	Buffering O-Ring
7	O-Ring	8	Piston rod O-Ring
9	Piston O-Ring	10	Magnet(Optional)
11	Wear Ring	12	Barrel
13	Piston	14	Cushion Seal
15	Cushion Needle	16	Back Cover
17	Hex Socket Screw	18	Profile Bolt

### Specification

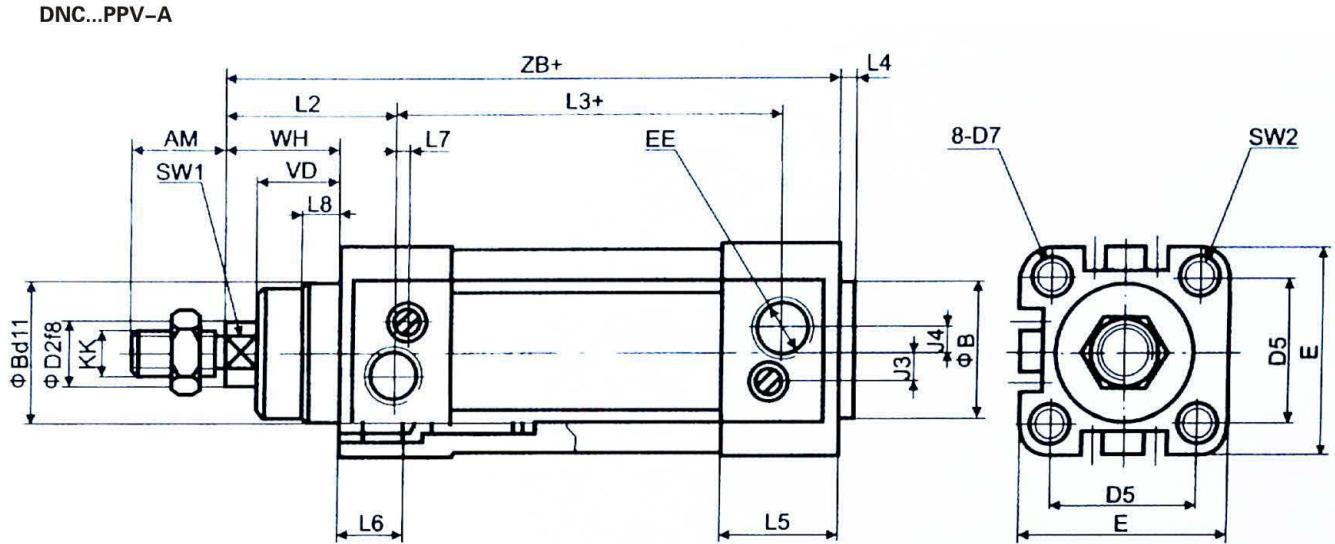
Bore(mm)	32	40	50	63	80	100	125
Motion Pattern	Double Action						
Working Medium	Filtered Air						
Compression Pressure	1.5MPa(217.5Psi)						
Max.Operating Pressure	1.0MPa(145Psi)						
Min.Operating Pressure	0.1MPa(14.5Psi)						
Buffer	Air Buffer(Standard)						
Condition Temperature	-5~70°C/23~158°F						
Operating Speed	50~800mm/s						
Port Size	NPT1/8"	NPT1/4"	NPT3/8"	NPT1/2"			

### Stroke

Bore	Standard Stroke	Buffer Stroke	Stroke Range
32		20	10~2000
40		22	
50	25 40 50 80	32	
63	100 125 160	35	
80	200 250 320		
100	400 500		
125			

# DNC Series IOS6431 Standard Cylinder QUFIG

## Overall Dimension



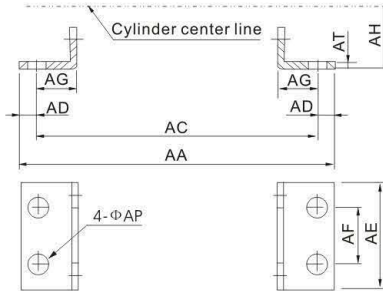
## Dimension Sheet

Bore/Symbol	AM	B	D2	D5	D7	E	EE (NPT)	J3	J4	KK
32	22 (0.866)	30 (1.181)	12 (0.472)	32.5 (1.279)	M6	45 (1.221)	1/8	6 (0.236)	5.2 (0.204)	M10X1.25
40	24 (0.944)	35 (1.377)	16 (0.629)	38 (1.496)	M6	54 (2.125)	1/4	8 (0.314)	6 (0.236)	M12X1.25
50	32 (1.259)	40 (4.574)	20 (0.787)	46.5 (1.830)	M8	64 (2.519)	1/4	10 (0.393)	8.5 (0.334)	M16X1.5
63	32 (1.259)	45 (1.771)	20 (0.787)	56.5 (2.22)	M8	75 (2.952)	3/8	12.4 (0.488)	10 (0.393)	M16X1.5
80	40 (1.574)	45 (1.771)	25 (0.984)	72 (2.834)	M10	93 (3.661)	3/8	12.5 (0.492)	8 (0.314)	M20X1.5
100	40 (1.574)	55 (2.165)	25 (0.984)	89 (3.503)	M10	110 (4.330)	1/2	11.8 (0.464)	10 (0.393)	M20X1.5

L2	L3	L4	L5	L6	L7	L8	SW1	SW2	VD	WH	ZB
41.6 (1.637)	62.8 (2.472)	4 (8.157)	25.1 (0.9882)	16 (0.629)	3.3 (0.1299)	10 (0.393)	10 (0.393)	6 (0.236)	18 (0.708)	26 (1.023)	120 (4.724)
44 (1.732)	77 (3.031)	4 (8.157)	29.6 (1.654)	16 (0.629)	3.6 (0.1417)	10.5 (0.413)	13 (0.511)	6 (0.236)	21.5 (0.846)	30 (1.181)	135 (5.314)
51 (2.007)	78 (3.070)	4 (8.157)	29.6 (1.654)	17 (0.669)	5.1 (0.2006)	11.5 (0.452)	17 (0.669)	8 (0.314)	28 (1.102)	37 (1.456)	143 (5.629)
54 (2.125)	87 (3.425)	4 (8.157)	35.6 (1.4016)	17 (0.669)	6.6 (0.2598)	15 (0.590)	17 (0.669)	8 (0.314)	28.5 (1.122)	37 (1.456)	158 (6.220)
62.4 (2.456)	95.5 (3.748)	4 (8.157)	35.9 (1.4134)	17 (0.669)	10.5 (0.4134)	15.7 (0.618)	22 (0.866)	10 (0.393)	34.7 (1.366)	46 (1.811)	174 (6.850)
69.8 (2.748)	100.4 (3.952)	4 (8.157)	38.8 (1.5276)	17 (0.669)	8 (0.315)	19.2 (0.755)	22 (0.866)	10 (0.393)	38.2 (1.503)	51 (2.401)	189 (7.440)

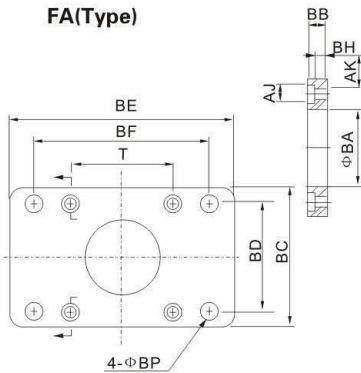
## Overall Dimension

### LB(Type)



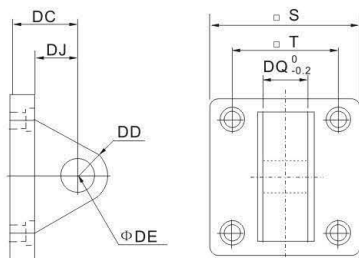
Symbol/Bore	32	40	50	63	80	100	125	160	200
AA	158 (6.220)	179 (7.047)	190 (7.480)	209 (8.228)	248 (9.263)	258 (10.157)	290 (11.417)	340 (13.325)	380 (14.960)
AC	142 (5.590)	161 (6.338)	170 (6.692)	185 (7.283)	210 (8.267)	220 (8.661)	250 (9.842)	300 (12.992)	320 (12.598)
AD	8 (0.314)	9 (0.354)	10 (0.393)	12 (0.472)	19 (0.748)	19 (0.748)	20 (0.787)	20 (0.787)	30 (1.981)
AE	48 (1.889)	53 (0.086)	65 (0.480)	73 (2.874)	98 (3.858)	115 (4.527)	140 (5.511)	180 (7.086)	220 (8.661)
AF	32 (1.259)	36 (1.417)	45 (1.771)	50 (1.968)	63 (2.480)	75 (2.952)	90 (3.543)	115 (4.527)	135 (5.314)
AG	24 (0.944)	28 (1.102)	32 (1.259)	32 (1.259)	41 (1.614)	41 (1.614)	45 (1.771)	60 (2.362)	70 (2.755)
AH	32 (1.259)	36 (1.417)	45 (1.771)	50 (1.963)	63 (2.480)	71 (2.795)	90 (3.543)	115 (4.527)	135 (5.314)
AP	7 (0.275)	9 (0.354)	9 (0.354)	9 (0.354)	12 (0.572)	14 (0.557)	16 (0.629)	18 (0.708)	22 (0.866)
AT	4 (0.157)	4 (0.157)	4 (0.157)	4 (0.157)	5 (0.696)	5 (0.196)	8 (0.314)	8 (0.314)	9 (0.354)

### FA(Type)



Symbol/Bore	32	40	50	63	80	100	125	160	200
AJ	10.5 (0.4134)	10.5 (0.4134)	14 (0.551)	14 (0.551)	17 (0.669)	17 (0.669)	19 (0.748)	25 (0.984)	25 (0.984)
AK	7 (0.275)	7 (0.275)	9 (0.354)	9 (0.354)	11 (0.433)	11 (0.433)	13 (0.511)	17 (0.669)	17 (0.669)
BA	30.3 (1.192)	35.3 (1.389)	40.3 (1.783)	45.3 (1.783)	45.3 (1.783)	55.5 (2.177)	60.5 (2.374)	65.3 (2.570)	75.3 (2.964)
BB	10 (0.393)	10 (0.393)	12 (0.472)	12 (0.472)	16 (0.629)	16 (0.629)	20 (0.787)	20 (0.787)	25 (0.984)
BC	50 (1.968)	55 (2.165)	65 (2.559)	75 (2.952)	100 (3.937)	120 (4.724)	140 (5.511)	180 (7.086)	220 (8.661)
BD	32 (1.259)	36 (1.417)	45 (1.771)	50 (1.968)	63 (2.480)	75 (2.952)	90 (3.543)	115 (4.527)	135 (5.314)
BE	80 (3.149)	90 (3.543)	110 (4.330)	125 (4.921)	154 (6.062)	186 (7.322)	224 (8.819)	280 (11.023)	320 (12.598)
BF	64 (2.519)	72 (2.834)	90 (3.543)	100 (3.937)	126 (4.960)	150 (5.905)	180 (7.086)	230 (9.055)	270 (10.629)
BH	6.5 (0.2559)	6.5 (0.2559)	6.5 (0.2559)	8.5 (0.3346)	10.5 (0.4134)	10.5 (0.4134)	8 (0.314)	8 (0.314)	12 (0.472)
BP	7 (0.275)	9 (0.354)	9 (0.354)	9 (0.354)	12 (0.472)	12 (0.472)	16 (0.629)	16 (0.629)	22 (0.866)
T	32.5 (1.2795)	38 (1.496)	46.5 (1.8307)	56.5 (2.2244)	72 (2.874)	89 (3.503)	110 (4.330)	140 (5.511)	175 (6.889)

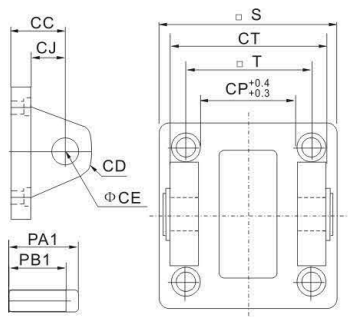
### CA(Type)



Symbol/Bore	32	40	50	63	80	100	125	160	200
S	47 (1.850)	53 (2.086)	65 (2.559)	75 (2.952)	95 (3.740)	115 (4.527)	140 (5.511)	180 (7.086)	220 (8.661)
T	32.5 (1.279)	38 (1.496)	46.5 (1.830)	56.5 (2.224)	72 (2.834)	89 (3.503)	110 (4.330)	140 (5.511)	175 (6.889)
DC	22 (0.866)	25 (0.984)	27 (1.062)	32 (1.259)	36 (1.417)	41 (1.614)	50 (1.988)	55 (2.165)	60 (2.362)
DD	9 (0.354)	12 (0.472)	12 (0.472)	15 (0.590)	15 (0.590)	20 (0.787)	25 (0.984)	30 (1.181)	30 (1.181)
DE	10 (0.393)	12 (0.472)	12 (0.472)	16 (0.629)	16 (0.629)	20 (0.787)	25 (0.984)	30 (1.181)	30 (1.181)
DJ	13 (0.551)	16 (0.629)	17 (0.669)	22 (0.866)	22 (0.866)	27 (1.062)	33 (1.299)	35.5 (1.3796)	36 (1.456)
DQ	25.8 (1.015)	27.8 (1.094)	31.7 (1.248)	39.7 (1.562)	49.7 (1.956)	59.7 (2.350)	69.7 (2.740)	89.7 (3.531)	89.7 (3.531)

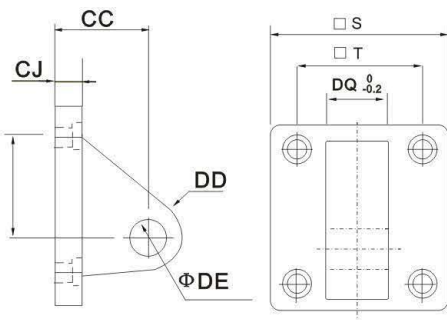
## Overall Dimension

### CB(Type)



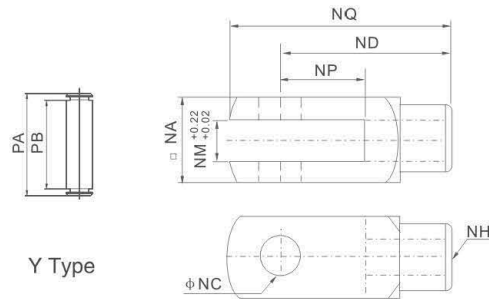
Symbol/Bore	32	40	50	63	80	100	125	160	200
CC	22 (0.866)	25 (0.984)	27 (1.062)	32 (1.259)	36 (1.417)	41 (1.614)	50 (1.968)	55 (2.165)	60 (2.362)
CD	5 (0.196)	5 (0.196)	3 (0.118)	3 (0.118)	8 (0.314)	8 (0.314)	8 (0.314)	9 (0.354)	9 (0.354)
CE	10 (0.393)	12 (0.472)	12 (0.472)	16 (0.629)	16 (0.629)	20 (0.787)	25 (0.984)	30 (1.181)	30 (1.181)
CJ	13 (0.511)	16 (0.629)	17 (0.669)	22 (0.866)	22 (0.866)	27 (1.062)	31 (1.220)	35.5 (1.417)	36 (1.417)
CP	26 (1.023)	28 (1.102)	32 (1.259)	40 (1.574)	50 (1.968)	60 (2.362)	70 (2.755)	90 (3.543)	90 (3.543)
CT	45 (1.771)	52 (2.047)	60 (2.362)	70 (2.755)	90 (3.543)	110 (4.330)	130 (5.118)	170 (6.692)	170 (6.692)
PA1	52 (2.047)	60 (2.362)	68 (2.627)	79 (3.110)	99 (3.897)	119 (4.683)	139 (5.472)	181 (7.125)	181 (7.125)
PB1	46.5 (1.830)	63.5 (2.500)	61.5 (2.421)	71.5 (2.814)	15 (0.591)	111.5 (4.389)	131.5 (5.177)	171.5 (6.751)	171.5 (6.751)
S	47 (1.850)	53 (2.086)	65 (2.559)	75 (2.952)	95 (3.740)	115 (4.527)	140 (5.511)	180 (7.086)	220 (8.689)
T	32.5 (1.2795)	38 (1.496)	46.5 (1.8307)	56.5 (2.244)	72 (2.834)	89 (3.503)	110 (4.330)	140 (5.511)	175 (6.889)

### CR(Type)

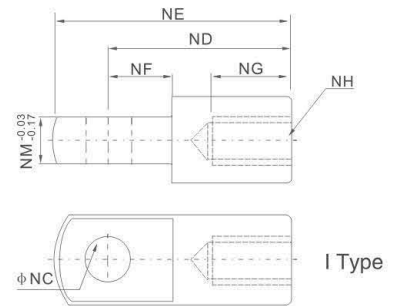


Symbol/Bore	32	40	50	63	80	100	125	160	200
S	47 (1.850)	53 (2.086)	65 (2.559)	75 (2.952)	95 (3.740)	115 (4.527)	140 (5.511)	180 (7.086)	220 (8.689)
T	32.5 (1.2795)	38 (1.496)	46.5 (1.8307)	56.5 (2.2454)	72 (2.834)	89 (3.503)	110 (4.330)	140 (5.511)	175 (6.889)
DC	32 (1.259)	36 (1.417)	45 (1.771)	50 (1.968)	63 (2.480)	70 (2.755)	90 (3.543)	115 (4.527)	135 (5.314)
DD	10 (0.393)	11 (0.4330)	13 (0.511)	15 (0.590)	15 (0.590)	19 (0.748)	22 (0.866)	31 (1.220)	31 (1.220)
DE	10 (0.393)	12 (0.472)	12 (0.472)	06 (0.236)	06 (0.236)	20 (0.787)	25 (0.984)	30 (1.181)	30 (1.181)
DF	21 (0.826)	24 (0.944)	33 (1.299)	37 (1.456)	47 (1.850)	55 (2.165)	70 (2.755)	97 (3.818)	105 (4.133)
DJ	8 (0.314)	10 (0.393)	12 (0.472)	12 (0.472)	14 (0.551)	15 (0.590)	20 (0.787)	25 (0.984)	30 (1.181)
DQ	25.8 (1.015)	27.8 (1.094)	31.7 (1.248)	39.7 (1.562)	49.7 (1.956)	59.7 (2.350)	69.7 (2.744)	89.7 (3.531)	89.7 (3.531)

ISO-Y Joint



Y Type



I Type

ISO-Y+Pin

ISO-Y+Clip

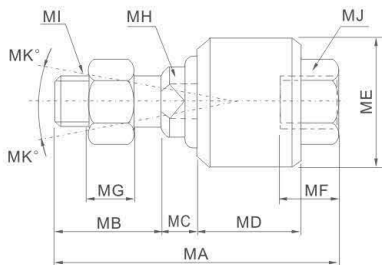
Symbol/Bore	32	40	50	63	80	100	125	160	200
NA	19	25.4	32	32	44.4	44.4	55	70	70
NC	10	12	16	16	20	20	30	35	35
ND	40	48	64	64	80	80	110	144	144
NE	52	67	89	89	112	112	155	201	201
NF	15	24	32	32	40	40	50	50	55
NG	20	20	23	23	30	30	56	72	72
NH	M10×1.25	M12×1.25	M16×1.5	M16×1.5	M20×1.5	M20×1.5	M27×2.0	M36×2.0	M36×2.0
NM	10	12	16	16	20	20	30	35	35
NP	20	24	32	32	40	40	54	72	72
NQ	52	62	83	83	105	105	148	191	191
PA	26.2	32.8	39.3	39.3	53.3	53.3	64	80	80
PB	20	26.5	33	33	45	45	55.6	70.6	70.6



ISO-I Joint



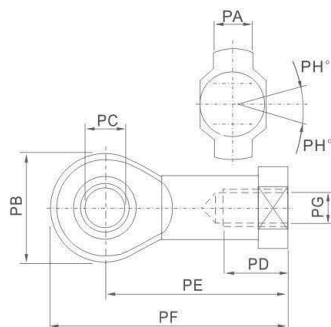
ISO-UJ Type Float Joint



Symbol/Bore	MA	MB	MC	MD	ME	MF	MG	MH	MI	MK
32	58	22	7	21	26	11.5	7	10	M10×1.25	12
40	58	22	8	21	28	11.5	8	12	M12×1.25	12
50	90	27	10	41	44.5	20	10	17	M16×1.5	7
63	90	27	10	41	44.5	20	10	17	M16×1.5	7
80	102	29	13	46	53	24	13	22	M20×1.5	10
100	102	29	13	46	53	24	13	22	M20×1.5	10
125	147	54	13	64	62	39	14	30	M27×2.0	9
160	147	43	23	58	88	35	13.5	36	M36×2.0	15
200	147	43	23	58	88	35	13.5	36	M36×2.0	15



ISO-PHS Type Fish Eye Joint



Symbol/Bore	PA	PB	PC	PD	PE	PF	PG	PH
32	11	26	10	21	43	56	M10×1.25	13
40	12	30	12	24	50	65	M12×1.25	13
50	15	38	16	33	64	83	M16×1.5	15
63	15	38	16	33	64	83	M16×1.5	15
80	18	46	20	40	77	100	M20×1.5	15
100	18	46	20	40	77	100	M20×1.5	15
125	37	70	30	51	110	145	M27×2.0	15
160	43	80	35	56	125	165	M36×2.0	16
200	43	80	35	56	125	165	M36×2.0	16