



CE ISO9001

DNC Series ISO6431 Standard Cylinder



DNC-50×100



MDNC-50×100

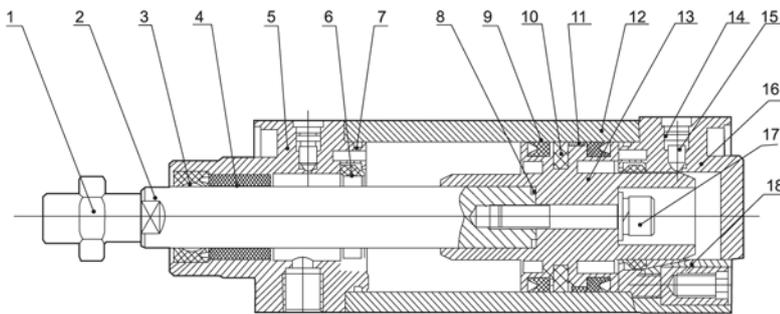


TDNC-50×100

Ordering Code

□	—	DNC	—	63 × 50	—	25	—	S	—	□		
Tube Type		Series Code		Cylinder Bore		Stroke		Adjust Storke		Magnet Code		Fixed Type
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 Over
17	Hex Socket Screw	18	Profile Bolt

Specification

Bore(mm)	32	40	50	63	80	100	125
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)						
Condition Temperature	-5~70°C						
Operating Speed	50~800mm/s						
Port Size	G1/8"	G1/4"	G3/8"	G1/2"			

Stroke

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

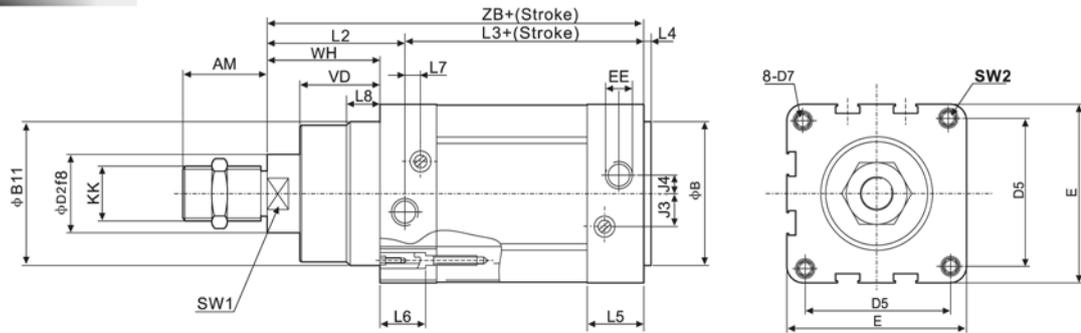


CE ISO9001

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Overall Dimensions

Normal Type DNC-S

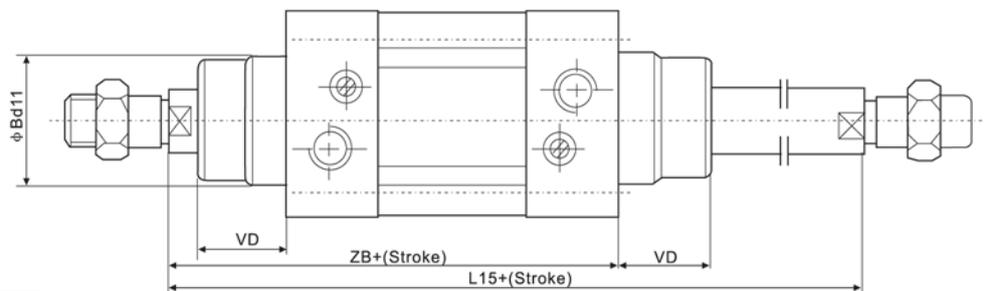


Dimension Sheet

Bore	AM	B	D2	D5	D7	E	EE(G)	J3	J4	KK	L2	L3	L4	L5	L6	L7	L8	SW1	SW2	VD	WH
32	22	30	12	32.5	M6	45	1/8	6	5.2	M10×1.25	41.6	62.8	4	26	16	3.3	10	10	6	12	26
40	24	35	16	38	M6	54	1/4	8	6	M12×1.25	44	77	4	29.6	16	3.6	10.5	13	6	20	30
50	32	40	20	46.5	M8	64	1/4	10	8.5	M16×1.5	51	78	4	30	17	5.1	11.5	17	8	27	37
63	32	45	20	56.5	M8	75	3/8	12.4	10	M16×1.5	54	87	4	35.6	17	6.6	15	17	8	27	37
80	40	45	25	72	M10	93	3/8	12.5	8	M20×1.5	62.4	95.2	4	35.9	17	10.5	15.7	22	10	34.7	46
100	40	55	25	89	M10	110	1/2	11.8	10	M20×1.5	69.8	100.4	4	39	17	8	19.2	22	10	38	51
125	54	60	32	110	M12	134	1/2	13	8	M27×2	83	124	6	44.7	22	14	20.5	28	12	46	65

Overall Dimensions

Double Piston Rod Type DNC-D-S



Dimension Sheet

Bore	32	40	50	63	80	100
B	30	35	40	45	45	55
L15	46	165	180	195	220	240
VD	16	20	27	27	34.7	38.2
ZB	120	135	143	158	174	189

DNCB Series Booster Cylinder



DNCB-50×25×50

Specification

Motion Pattern	Fitered Air
Compression Pressure	1.5MPa
Max.Operating Pressure	1.0MPa
Min.Operating Pressure	0.1MPa
ConditionTemperature	-5~70℃

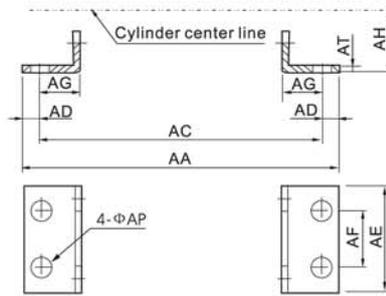
Product instruction

Booster cylinder combine 2 or more ISO15552 standard cylinder with the same bore and stroke, Create twice or multiple force as standard cylinder. The connection of 2 or more cylinders are linked with the same material Compact structure and easy for installation.



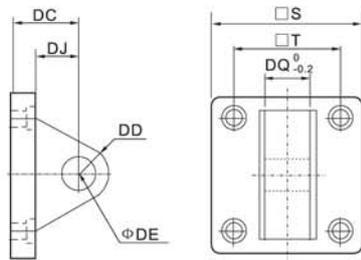
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ISO 6431 Standard Cylinder Accessories



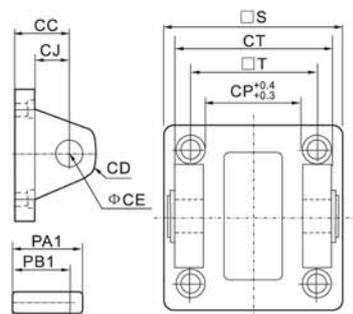
ISO-LB Type Foot Bracket

Symbol/Bore	32	40	50	63	80	100	125	160	200
AA	158	179	190	209	248	266	290	340	380
AC	142	161	170	185	210	228	250	300	320
AD	8	9	10	12	19	19	20	20	30
AE	47	53	65	75	95	115	140	180	220
AF	32	36	45	50	63	75	90	115	135
AG	24	28	32	32	41	45	45	60	70
AH	32	36	45	50	63	71	90	115	135
AP	7	9	9	9	12	14.5	16.5	18.5	24
AT	3	3	3	3	4	4	6	6	9



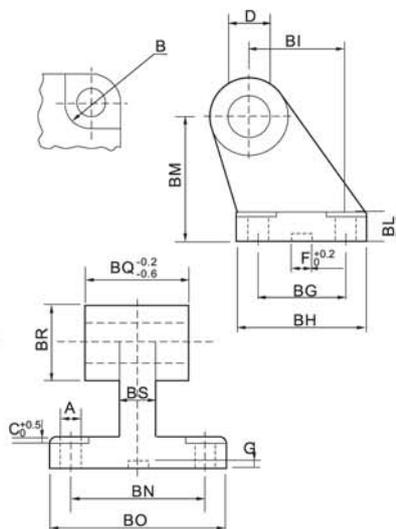
ISO-CA

Symbol/Bore	32	40	50	63	80	100	125	160	200
S	47	53	65	75	95	115	140	180	220
T	32.5	38	46.5	56.5	72	89	110	140	175
DC	22	25	27	32	36	41	50	55	60
DD	9	12	12	15	15	20	25	30	30
DE	10	12	12	16	16	20	25	30	30
DJ	13	16	17	22	22	27	33	35.5	36
DQ	25.8	27.8	31.7	39.7	49.7	59.7	69.7	89.7	89.7



ISO-CB-B+Pin

Symbol/Bore	32	40	50	63	80	100	125	160	200
CC	22	25	27	32	36	41	50	55	60
CD	9	12	12	15	15	20	25	30	30
CE	10	12	12	16	16	20	25	30	30
CJ	13	16	17	22	22	27	31	35.5	36
CP	26	28	32	40	50	60	70	90	90
CT	45	52	60	70	90	110	130	170	170
PA1	51	59	67	77	97	119	139	181	181
PB1	45.5	52.5	60.5	70.5	90.5	110.5	130.5	170.5	170.5
S	47	53	65	75	95	115	140	180	220
T	32.5	38	46.5	56.5	72	89	110	140	175



ISO-SDB Type

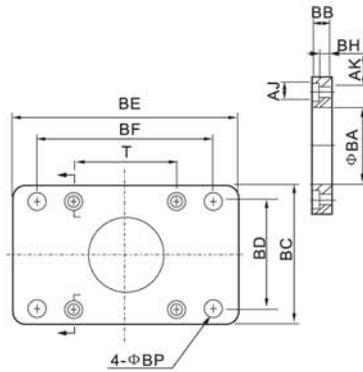
Symbol/Bore	32	40	50	63	80	100	125
A	6.6	6.6	9	9	11	11	14
B	11	11	15	15	18	18	20
BG	18	22	30	35	40	50	60
BH	31	35	45	50	60	70	90
BI	21	24	33	37	47	55	70
BL	8	10	12	14	14	17	20
BM	32	36	45	50	63	71	90
BN	38	41	50	52	66	76	94
BO	51	54	65	67	86	96	124
BS	10	15	16	16	20	20	30
BR	20	22	26	30	30	38	45
C	1.6	1.6	1.6	1.6	2.5	2.5	3.2
D	10	12	12	16	16	20	25
F	10.5	10.5	10.5	10.5	10.5	10.5	10.5
G	3	3	3	3	3	3	3
BQ	26	28	32	40	50	60	70



ISO 6431 Standard Cylinder Accessories



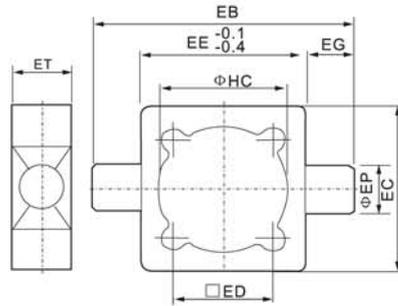
ISO-FA/FB Type Flange



Symbol/Bore	32	40	50	63	80	100	125	160	200
AJ	11	11	14	14	17	17	19	25	25
AK	7	7	9	9	11	11	13	17	17
BA	30.5	35.5	40.5	45.5	45.5	55.5	60.5	65.5	75.5
BB	10	10	12	12	16	16	20	20	25
BC	47	53	65	75	95	115	140	180	220
BD	32	36	45	50	63	75	90	115	135
BE	80	90	110	125	154	186	224	280	320
BF	64	72	90	100	126	150	180	230	270
BH	4	4	4	6	6	6	8	8	12
BP	7	9	9	9	12.5	14.5	16.5	18.5	24
T	32.5	38	46.5	56.5	72	89	110	140	175



ISO-SI-TC



Symbol/Bore	32	40	50	63	80	100
EB	100	113	125	140	160	182
EC	52	63	74	80	105	128
ED	32.5	38	46.5	56.5	72	89
EE	52	63	75	90	105	128
EG	25	25	25	25	25	25
EP	12	16	16	20	20	25
ET	20	22	22	28	28	34
HC	37	45	55	68	87	107.5



CE ISO9001

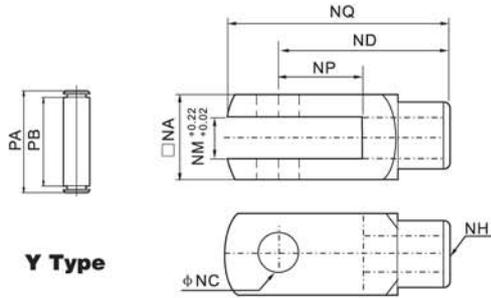
Standard Cylinder Accessories

ISO 6431 Standard Cylinder Accessories

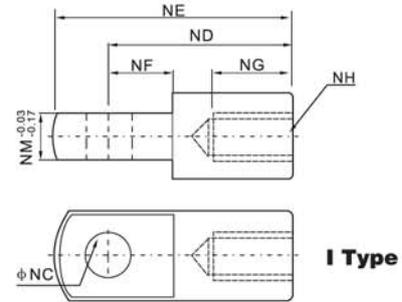
Mini Cylinder Accessories



ISO-Y+Pin ISO-Y+Clip



Y Type



I Type



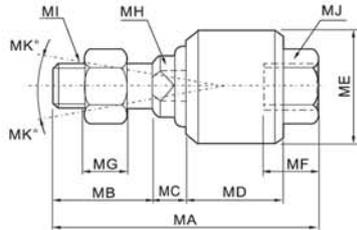
I Joint

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

Symbol/Bore	NA	NC	ND	NE	NF	NG	NH	NJ	NK	NL	NM	NN	NP	NQ	PA	PB
20	16	8	30	40	11	15	M8×1.25	10	16	14	8	8	15	40	21	16.5
25	19	10	40	52	15	20	M10×1.25	12	20	18	10	10	20	52	25	19.5
32	19	10	40	52	15	20	M10×1.25	12	20	18	10	10	20	52	25	19.5
40	25.4	10	45	57	15	25	M12×1.25	15	24	23	14	10	20	57	31	26



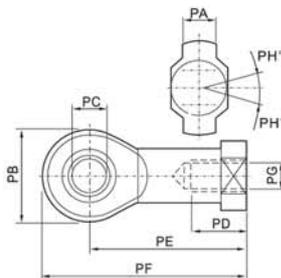
UJ Type Float Joint



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



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