



Ningbo Victory Pneumatic Co., Ltd

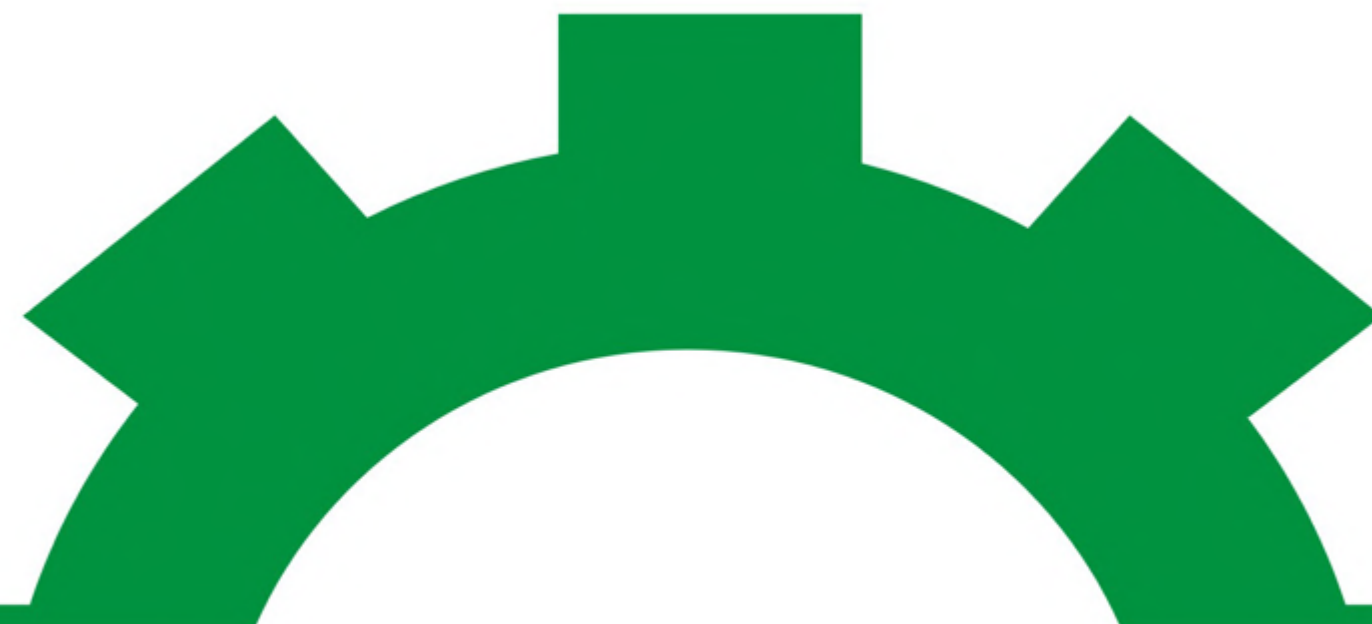
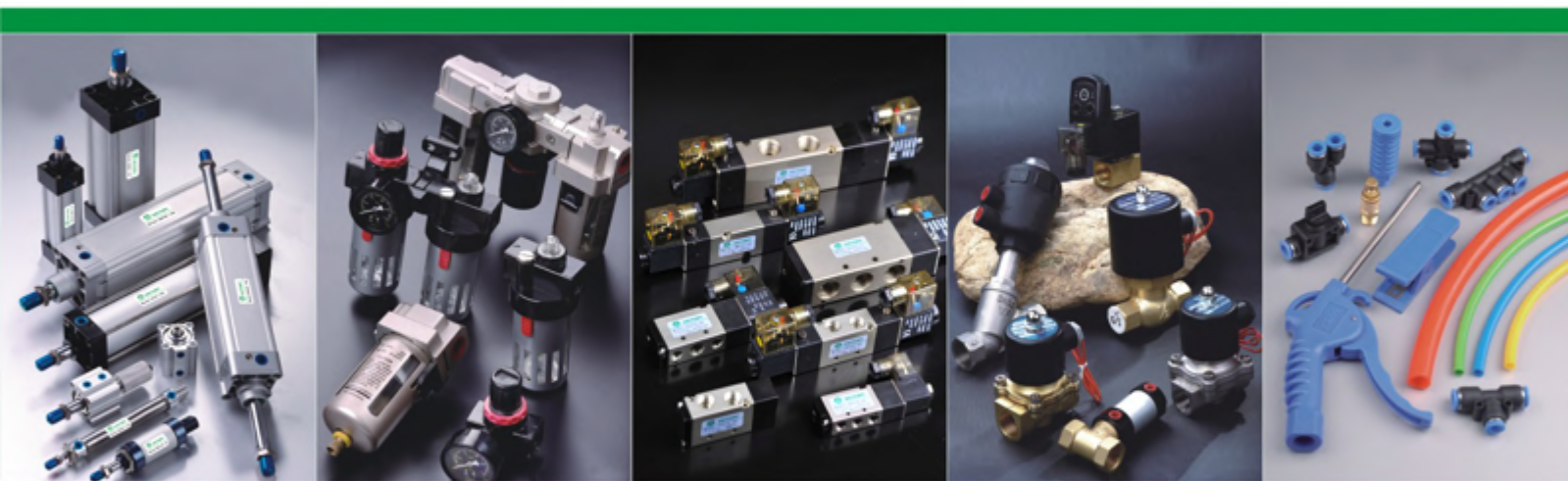
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About us

Ningbo Victory Pneumatic Co., Ltd

Ningbo Victory Pneumatic Co., Ltd was founded in 2002 and located in Ningbo city with convenient transportation access. We are a professional pneumatic components manufacturer and specialized in production and export of various kind of air preparation units, solenoid valve, pneumatic cylinder, pneumatic fittings, PU tubes etc., We test every of our product strictly before selling to ensure good quality. All of our products comply with international quality standards and are greatly appreciated in a variety of different markets throughout the world.

We are not only quote our customer of competitive price but also state delivery time, delivery and payment conditions as well as guarantee conditions. Meanwhile, we can also supply smaller trial order for the approval of our customer.

If you are interestd in any of our pneumatic components or would like to discuss a custom order, please feel free to contact us. We are looking forward to forming successful business relationships with new clients around the world in the near future!



VICTORY

 **VICTORY**
PNEUMATIC



DNC Series ISO6431 Standard Cylinder



DNC-40×75

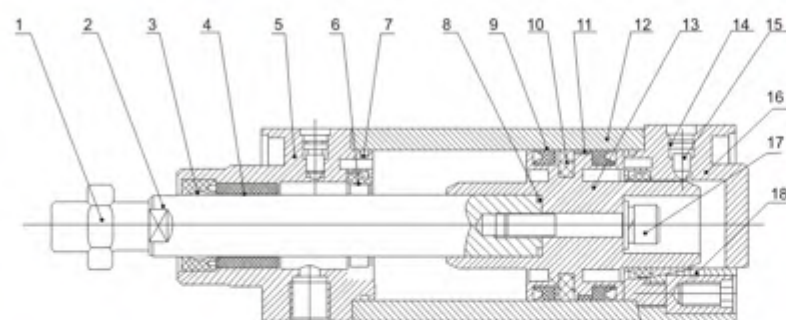


DNC-50×80

Ordering Code

☐	DNC	63	50	25	S	☐
Tube Type Blank: Square Type T: Tie-rod Type M: Mickey Mouse Type	Series Code DNC: ISO6431 Standard Double Action Type DNCD: ISO6431 Standard Two Axis Double Action Type DNCJ: ISO6431 Two Axis Stroke Adjust Type	Cylinder Bore 32mm-125mm	Stroke 25: 25mm 50: 50mm 75: 75mm	Adjust Stroke 25: 25mm 50: 50mm 75: 75mm	Magnet Code Blank: Without Magnet S: With Magnet	Fixed Type 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	Double Action						
Working Medium	Filtered Air						
Compression Pressure	1.5MPa						
Max. Operating Pressure	1.0MPa						
Min. Operating Pressure	0.1MPa						
Buffer	Air Buffer (Standard)						
Condition Temperature	-5~70℃						
Operating Speed	50~800mm/s						
Port Size	G1/8"	G1/4"	G3/8"	G1/2"			

Stroke

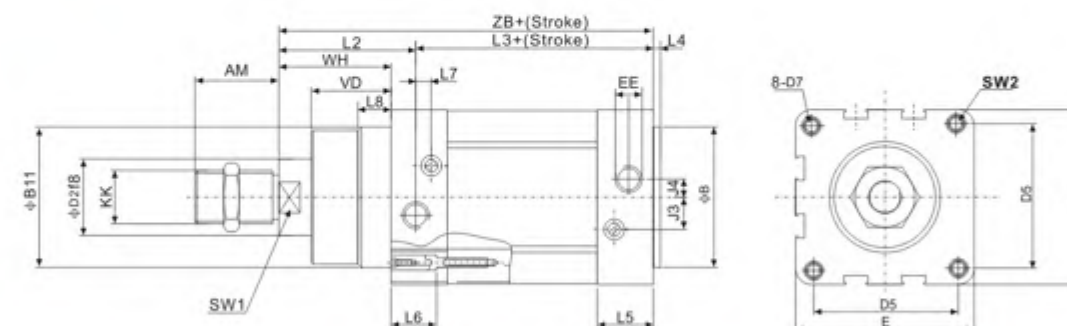
Bore	Standard Stroke	Buffer Stroke	Stroke Range
32		20	10~2000
40			
50	25 40 50 80		
63	100 125 160	22	
80	200 250 320		
100	400 500	32	
125		35	

DNC Series ISO6431 Standard Cylinder



Overall Dimensions

Normal Type
DNC-S

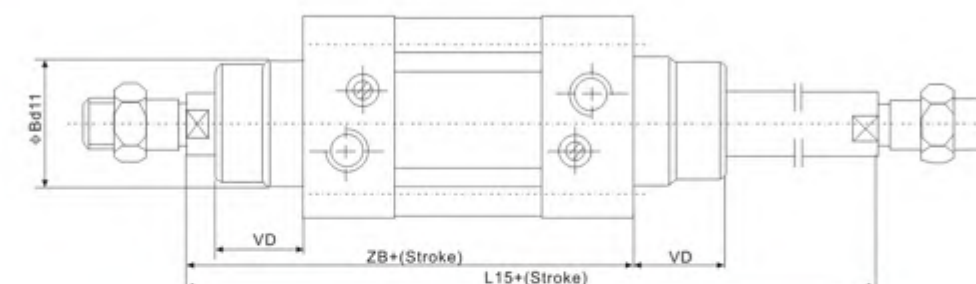


Dimension Sheet

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

SI Series ISO6431 Standard Cylinder



SI-50 x 50



SI-50 x 100

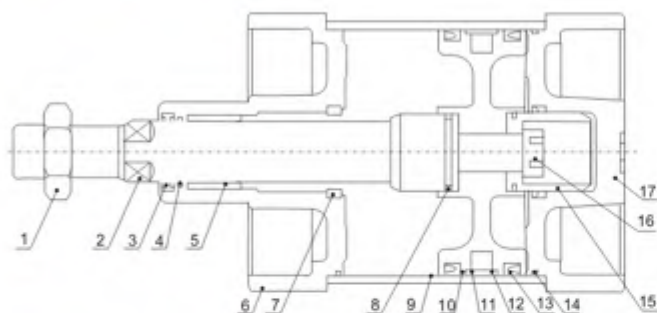


SI-32 x 100

Ordering Code

SI	50	×	50	-	25	-	S	□
Series Code SI:ISO6431 Standard Double Action Type SID:ISO6431 Standard Two Axis Double Action Type SIJ:ISO6431 Two Axis Stroke Adjust Type	Cylinder Bore 32mm-200mm		Stroke		Adjust Stroke 25:25mm 50:50mm 75:75mm		Magnet Code Blank:Without Magnet S:With Magnet	Fixed Type 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) TC:Central Trunnion Type TC-M:Central Trunnion type attaching foot seat

Internal structure



NO	Designation	NO	Designation
1	Piston Rod Nut	10	Piston
2	Piston rod	11	Wearing
3	Front cover seal ring	12	Magnet(Optional)
4	O-Ring	13	Piston O-Ring
5	Bearing	14	Pipe wall O-Ring
6	Front cover	15	Damping
7	Buffering O-Ring	16	Hex socket screw
8	Piston rod O-Ring	17	Back cover
9	Barrel		

Specification

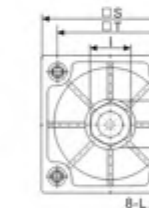
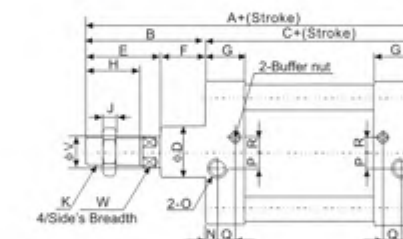
Bore(mm)	32	40	50	63	80	100	125	160	200
Motion Pattern	Double Action								
Working Medium	Air								
Fixed Type	Normal type FA type FB type CA type CB type LB type TC type								
Working Pressure Range	0.1~0.9MPa								
Ensured Pressure Resistance	1.35MPa								
Operating Temperature Range	-5~70℃								
Operating Speed Range	50~800mm/s								
Buffer Type	Adjustable Buffer								
Buffer Stroke	24				32				
Port Size	G1/8"	G1/4"	G3/8"	G1/2"	G3/4"				

SI Series ISO6431 Standard Cylinder

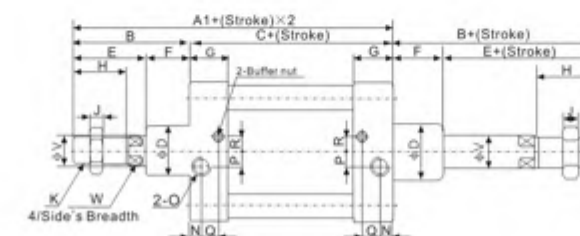


Overall Dimensions

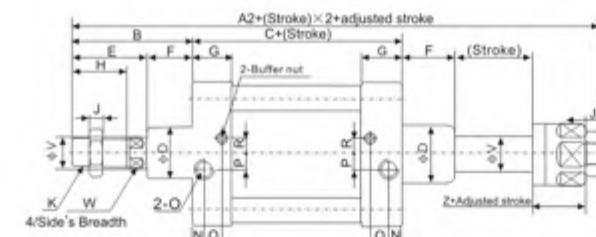
SI



SID



SIJ



Dimension Sheet

Bore/Symbol	A	A1	A2	B	C	D	E	F	G	H	I	J	K	L
32	142	190	187	48	94	30	28	16	27.5	22	17	6	M10×1.25	M6
40	159	213	207	54	105	35	32	18	29	24	19	7	M12×1.25	M6
50	175	244	233	69	105	40	42	25	30	32	24	8	M16×1.5	M8
63	190	259	250	69	120	40	40	24	31.5	32	24	8	M16×1.5	M8
80	214	300	286	86	128	40	53	30	35.5	40	30	10	M20×1.5	M10
100	229	320	308	91	138	45	55	32	36	40	30	10	M20×1.5	M10
125	279	398	372.5	119	160	60	74	45	46	54	41	13.5	M27×2	M12
160	332	484	448	152	180	65	94	58	50	72	55	18	M36×2	M16
200	337	514	472	157	180	75	100	57	50	72	55	18	M36×2	M16

Bore/Symbol	N	O	P	Q	R	S	T	V	W	Z
32	13.5	G1/8"	4	7.5	7	47	32.5	12	10	21
40	16	G1/4"	6	8.5	9	53	38	16	13	21
50	15.5	G1/4"	8.5	7.5	7.5	65	46.5	20	17	23
63	16.5	G3/8"	7.5	8.5	9	75	56.5	20	17	23
80	16.5	G3/8"	11	8.5	13.5	95	72	25	22	29
100	18.5	G1/2"	13.5	9.5	14.5	115	89	25	22	29
125	23	G1/2"	14	12	14	140	110	32	27	35
160	25	G3/4"	15	12	20	180	140	40	36	40
200	25	G3/4"	15	12	20	220	175	40	36	40

SC/SU Series Standard Cylinder



Ordering Code

SC

Series Code

SC:Standard double action(Tie-rod Type)
SCD:Double-shaft double action(Tie-rod Type)
SCJ:Double axis double acting adjustable type(Tie-rod Type)
SU:Standard double acting (Micky Mouse Type)

50 × 50

Cylinder Bore

32mm-200mm

25

Stroke

25:25mm
50:50mm
75:75mm

S

Magnet Code

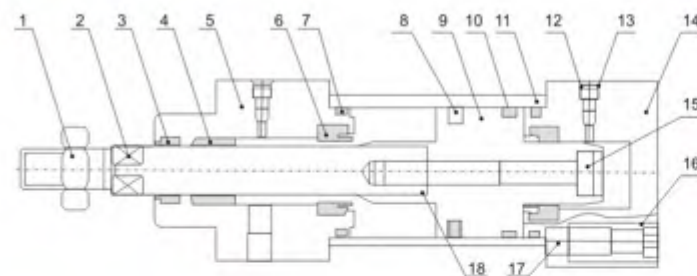
Blank:Without Magnet
S:With Magnet

□

Fixed Type

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)
TC:Central Trunnion Type
TC-M:Central Trunnion Type attaching foot seat

Internal structure



NO	Designation	NO	Designation
1	Piston Rod Nut	10	Wear Ring
2	Piston rod	11	Barrel
3	Front cover seal ring	12	Buffering Barrel o-ring
4	Bearing	13	Damping adjustable screw
5	Front cover	14	Back cover
6	Buffering o-ring	15	Hex socket screw
7	Pipe wall o-ring	16	Tie Rod Nut
8	Piston o-ring	17	Tie rod
9	Piston	18	Piston rod o-ring

Specification

Bore(mm)	32	40	50	63	80	100	125	160	200
Motion Pattern	Double Action								
Working Medium	Air								
Fixed Type	Basic type FA type FB type CA type CB type LB type TC type TC-M type								
Operating Voltage Range	0.1~0.9kgf/cm ²								
Ensured Pressure Resistance	1.35Mpa								
Operating Temperature Range	-5~70℃								
Operating Speed Range	300~800mm/s								
Buffer Type	Adjustable Buffer								
Buffer Stroke	24				32				
Port Size	G1/8"	G1/4"	G3/8"	G1/2"	G3/4"				

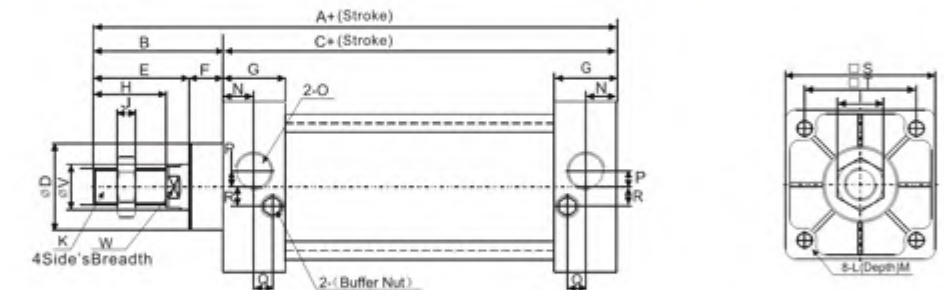
■SCD,SCJ Fixed Type:FA,FB,LC & TC-M Type.

SC/SU Series Standard Cylinder

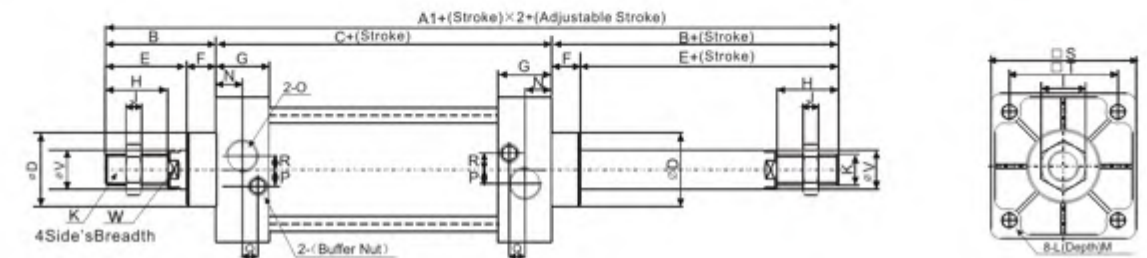
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Overall Dimensions

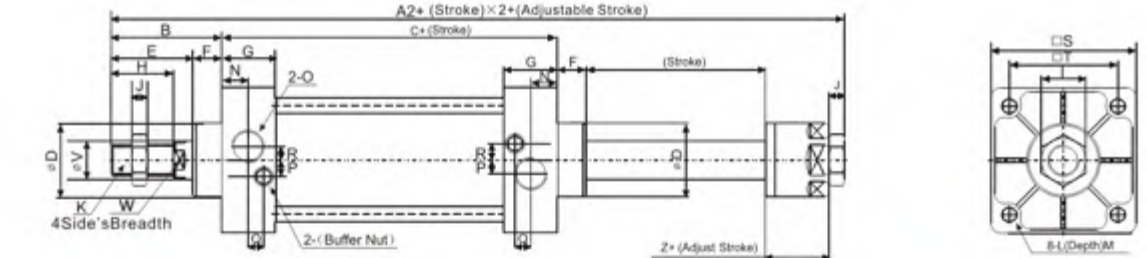
SC



SCD



SCJ



Dimension Sheet

Bore/Symbol	A	A1	A2	B	C	D	E	F	G	H	I	J	K
32	140	187	182	47	93	28	32	15	27.5	22	17	6	M10×1.25
40	142	191	185	49	93	32	34	15	27.5	24	17	7	M12×1.25
50	150	207	196	57	93	36	42	15	27.5	32	23	8	M16×1.5
63	153	210	199	57	96	36	42	15	27.5	32	23	8	M16×1.5
80	182	257	242	75	107	47	54	21	33	40	26	10	M20×1.5
100	188	263	248	75	108	47	54	21	33	40	26	10	M20×1.5
125	239	330	363	104	136	56	71	32	40	54	36	9	M27×2
160	291	412	450	121	162	62	92	60	50	72	50	16	M36×2
200	272	409	451	132	140	75	117	30	41	72	50	16	M36×2

Bore/Symbol	L	M	N	O	P	Q	R	S	T	V	W	Z
32	M6×1	9.5	13.7	G1/8"	3.5	7.5	7	45	33	12	10	21
40	M6×1	9.5	13.5	G1/4"	6	8.2	9	50	37	16	14	21
50	M6×1	9.5	13.5	G1/4"	8.5	8.2	9	62	47	20	17	23
63	M8×1.25	9.5	13.5	G3/8"	7	8.2	8.5	75	56	20	17	23
80	M10×1.5	11.5	16.5	G3/8"	10	9.5	14	94	70	25	22	29
100	M10×1.5	11.5	16.5	G1/2"	11	9.5	14	112	84	25	22	29
125	M12×1.75	21	16.5	G1/2"	/	/	/	140	110	32	28	33
160	M16×2	25	26	G3/4"	/	/	/	180	140	40	36	38
200	M16×2	25	22.5	G3/4"	/	/	/	220	175	45	42	42

MB Series Standard Cylinder(Japanese standard)



MB 50×100

Ordering Code

MB — 50 × 50 — S — □

Series Code
Japanese standard
Double Action Type

Stroke

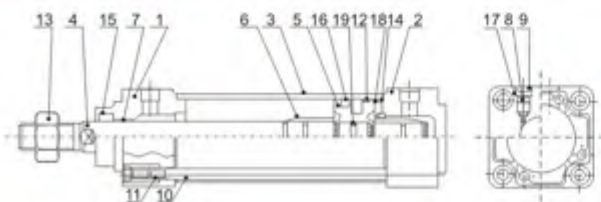
Cylinder Bore
32mm-100mm

Magnet Code
Blank: Without
Magnet
S: With Magnet

Fixed Type

Blank: basic type
LB: front and back fixed type
FA: front cover fixed type (Front flange type)
FB: back cover fixed type (Rear flange type)
CA: back cover fixed type (Single Earring)
CB: back cover fixed type (double Earring)
TC: Central Trunnion type
TC-M: Central Trunnion type attaching foot seat

Internal structure



NO	Designation	NO	Designation	NO	Designation
1	Front cover	6	Buffer ring	11	Tie rod nut
2	Back Cover	7	Bearing	12	Wear ring
3	Barrel	8	Cushion Screw	13	Piston rod nut
4	Piston rod	9	Cushion Seal	17	Buffer seal ring
5	Piston	10	Tie rod	19	Piston O-ring

Specification

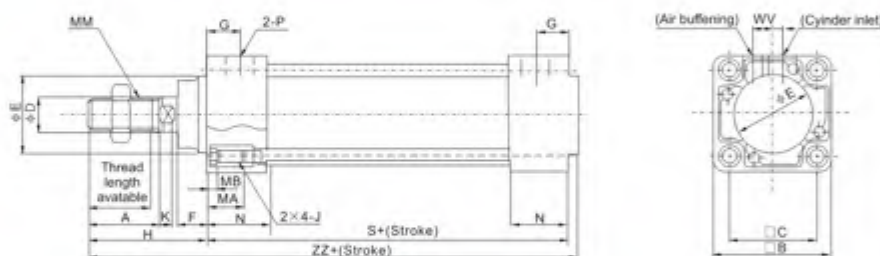
Cylinder diameter	32	40	50	63	80	100
Working Medium	Air					
Action type	Double acting					
Proof pressure	15.3kgf/cm ² (1.5Mpa)					
Max.pressure	10.2kgf/cm ² (1.0Mpa)					
Min.pressure	0.5kgf/cm ² (0.05Mpa)					
Environment and fluid temp	-10~+60℃					
Piston velocity	50~1000mm/s					
Buffering	Air buffering					
Stroke tolerance	~0~250 ⁺¹⁰ , 251~1000 ⁺¹⁴ , 1001~1500 ⁺¹⁸					
Rc(PT) Joint size	G1/8"	G1/4"	G3/8"	G1/2"		

Stroke

Bore(mm)	Standard stroke
32	25,50,75,100,125,150,175,200,250,300,350,400,450,500
40	25,50,75,100,125,150,175,200,250,300,350,400,450,500
50	25,50,75,100,125,150,175,200,250,300,350,400,450,500,600
63	25,50,75,100,125,150,175,200,250,300,350,400,450,500,600
80	25,50,75,100,125,150,175,200,250,300,350,400,450,500,600,700,750
100	25,50,75,100,125,150,175,200,250,300,350,400,450,500,600,700,750

Overall Dimensions

MB Series φ 32~ φ 200



Dimension Sheet

Diameter	Stroke range	Thread length available	A	□B	□C	φD	φE	F	G	MA	MB	J	K	MM	N	P	S	V	W	H	ZZ
32	~500	19.5	22	46	32.5	12	30	13	13	16	4	M6×1.0	6	M10×1.25	27	1/8	84	4	6.5	47	135
40	~500	27	30	52	38	16	35	13	14	16	4	M6×1.0	6	M14×1.5	27	1/4	84	4	9	51	139
50	~600	32	35	65	46.5	20	40	14	15.5	16	5	M8×1.25	7	M18×1.5	31.5	1/4	94	5	10.5	58	156
63	~600	32	35	75	56.5	20	45	14	16.5	16	5	M8×1.25	7	M18×1.5	31.5	3/8	94	9	12	58	156
80	~750	37	40	95	72	25	45	20	19	16	5	M10×1.5	10	M22×1.5	38	3/8	114	11.5	14	72	190
100	~750	37	40	114	89	30	55	20	19	16	5	M10×1.5	10	M26×1.5	38	1/2	114	17	15	72	190

MA6432 Series Stainless Steel Mini Cylinder(ISO6432)



MA6432 10×50



MA6432 20×25-S

Ordering Code

MA6432 — □ — 20 × 50 — 25 — S — □

Type

MA: Double Action Type
MSA: Single-Extrusion Type
MAD: Double-shaft
Double Action Type
MAJ: Double-shaft and adjustable stroke type
MAC: With Cushion Type

Back Cover Type

Blank: Fishtail type
CM: Rounded type
U: Horizontal type

Cylinder Bore

8mm-25mm

Stroke

0~100mm

Adjustable Stroke Type

0~100mm

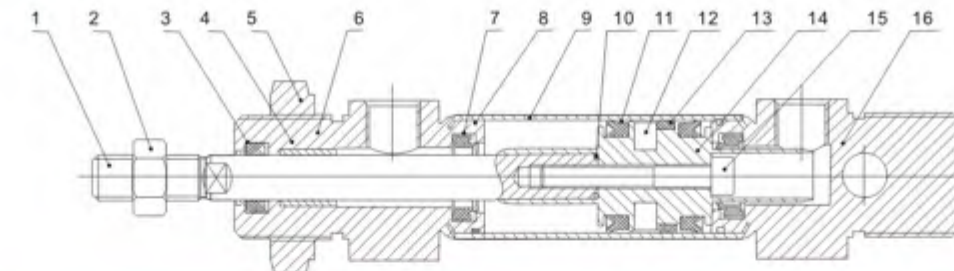
Magnet Code

Blank: Without Magnet
S: With Magnet

Fixed Type

Blank: Normal type
LB: Front and back fixed type
FA: Front cover fixed type
SDB: Back cover swinging type
U: Back cover fixed type

Internal structure



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

Specification

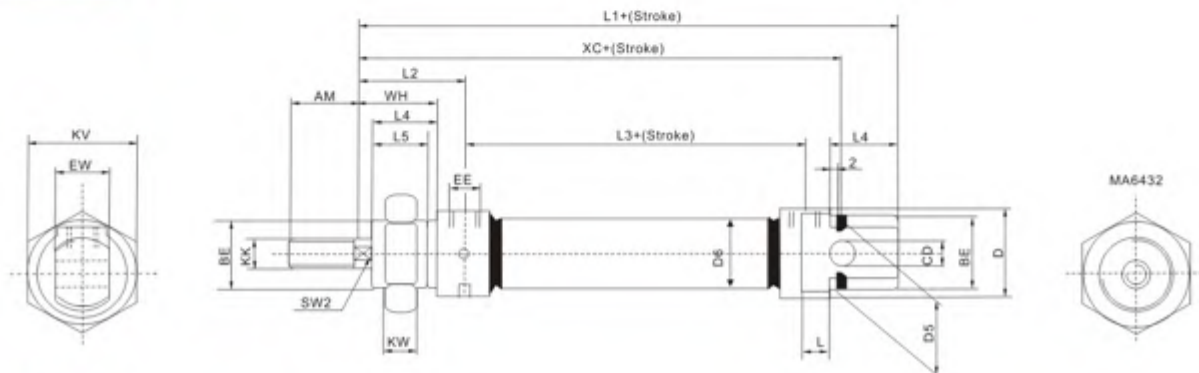
Cylinder diameter	8	10	12	16	20	25
Fluid	Air					
Motion pattern	Double Action or single Action					
Ensured Pressure Resistance	15.3kgf/cm ² (1.5Mpa)					
Max.pressure	10.2kgf/cm ² (1.0Mpa)					
Min.pressure	0.5kgf/cm ² (0.05Mpa) 1kgf/cm ² (0.1Mpa)					
Environment and fluid temp	-10~+80℃ (Internal Magnetic Install by Tach strap: Type Max: 60℃)					
Piston velocity	Rubber Bufer(Standard), Air Buffer(Optional)					
Buffering	50~750mm/s					
Kinetic energy To Larence(kgf/cm)	0.2	0.3	0.4	0.9	2.7	4
Pipe Size	M5×0.8 G1/8"					

MA6432 Series Stainless Steel Mini Cylinder(ISO 6432)

Stroke

Bore(mm)	Standard stroke	Max.Stroke(mm)
8	10,25,40,50,80,100,125,160,200	400
10	10,25,40,50,80,100,125,160,200	400
12	10,25,40,50,80,100,125,160,200	400
16	10,25,40,50,80,100,125,160,200	400
20	25,40,50,80,100,125,150,160,175,200,250,300	1000
25	25,40,50,80,100,125,150,160,175,200,250,300	1000

Overall Dimensions



Dimension Sheet

Bore/Symbol	AM	BE	ΦCD	ΦD	ΦD5	ΦD6	EE	EW	AM	KK	KV	KW	L	L1	L2	L3	L4	L5	SW2	WH	XC
8	12	M12×1.25	4	15	15	12	M5	8	12	M4	19	6	6	78	22	34	12	10	-	16	64
10	12	M16×1.25	4	15	15	12	M5	8	12	M4	19	6	6	78	22	34	12	10	-	16	64
12	16	M16×1.5	6	20	20	16	M5	12	16	M6	24	8	9	89	28	38	17	15	5	22	75
16	16	M16×1.5	6	20	20	16	M5	12	16	M6	24	8	9	95	28	44	17	15	5	22	82
20	20	M22×1.5	8	27	27	22	G1/8"	16	20	M8	32	11	12	112	32	51.6	20	18	7	24	95
25	22	M22×1.5	8	27	27	22	G1/8"	16	22	M10×1.25	32	11	12	120	36	53.1	22	20	9	26	104

MA Series Stainless Steel Mini Cylinder



Ordering Code

MA

Type

MA:Double Action Type
MSA:Single Extrusion Type
MAD:Double Shaft Double Action Type
MACD:Double Shaft Double Action Damping Type
MAJ:Double-shaft And Adjust Able Stroke Type
MAC:With Cushion Type

Back Cover Type

Blank:Fishtail type
CM:Rounded type
U:Horizontal type

Cylinder Bore

16mm~40mm

Stroke

20 × 50 - 25

Adjustable Stroke Type

0~100mm

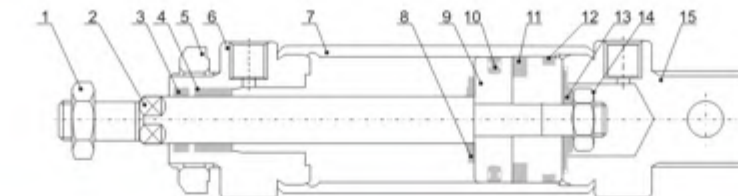
Magnet Code

Blank:Without Magnet
S:With Magnet

Fixed Type

Blank:Normal type
LB:Front and back fixed type
FA:Front cover fixed type
SDB:Back cover swinging type
U:Back cover fixed type

Internal structure



NO	Designation	NO	Designation	NO	Designation	NO	Designation
1	Piston Rod Nut	2	Piston Rod	9	Piston	10	Piston O-Ring
3	Front Cover Seal Ring	4	Oiled Bearing	11	Magnet(Optional)	12	Wear ring
5	Front Cover Nut	6	Front Cover	13	Back cushion	14	Hex socket screw
7	Stainless steel tube	8	Anti-crash cushion	15	Back Cover		

Specification

Bore(mm)	16	20	25	32	40
Motion pattern	Double Action or Single Action				
Working Medium	Air				
Fixed Type	Normal Type LB Type FA Type SDB Type U Type				
Operating Voltage Range	0.1~0.9MPa				
Ensured Pressure Resistance	1.35MPa				
Operating Temperature Range	-5~70℃				
Operating Speed Range	50~800mm/s				
Buffer Type	Standard Type Anti-crash cushion Damping Type Adjustable cushion				
Pipe Size	M5×0.8	G1/8"	G1/8"	G1/8"	G1/8"

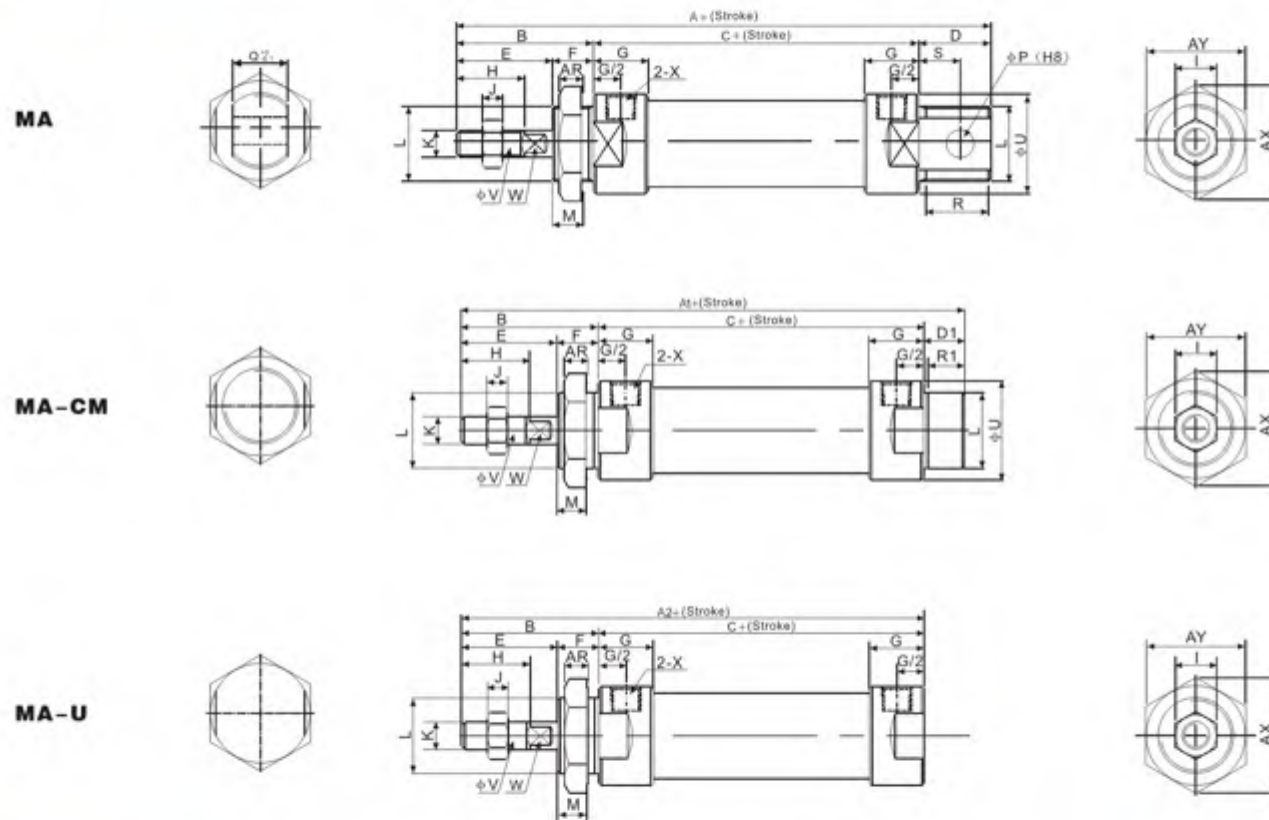
Our Company can also make flat for cylinder covers inlet and outlet position. If you require this, it should be specified.

MA Series Stainless Steel Mini Cylinder

Stroke

Bore(mm)	Standard Stroke										Max.Stroke	Permissible Stroke
16	25	50	75	80	100	125	160	175	200		300	500
20	25	50	75	80	100	125	160	175	200	250	300	650
25	25	50	75	80	100	125	160	175	200	250	300	650
32	25	50	75	80	100	125	160	175	200	250	300	650
40	25	50	75	80	100	125	160	175	200	250	300	650

Overall Dimensions



Dimension Sheet

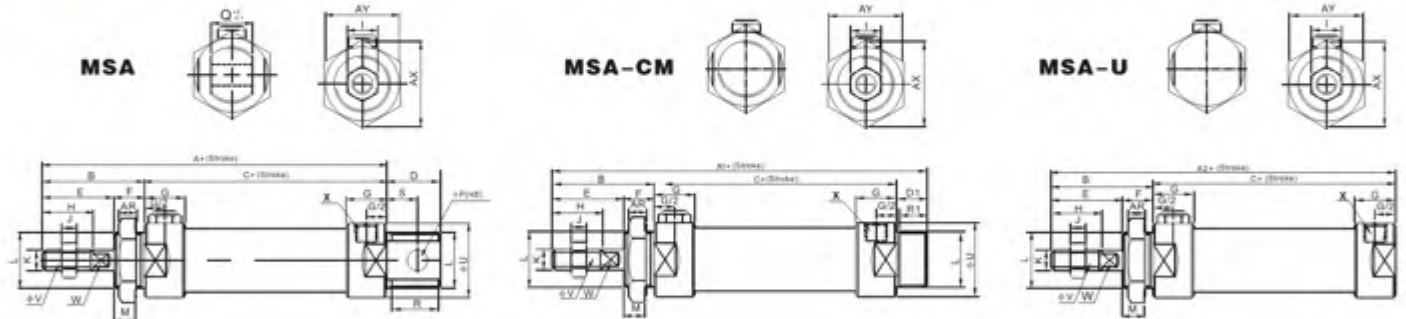
Bore/Symbol	A	A1	A2	B	C	D	D1	E	F	G	H	I	J	K
16	114	114	98	38	60	16	16	22	16	10	16	10	5	M6×1
20	137	128	116	40	76	21	12	28	12	16	20	12	6	M8×1.25
25	141	134	120	44	76	21	14	30	14	16	22	17	6	M10×1.25
32	147	134	120	44	76	27	14	30	14	16	22	17	6	M10×1.25
40	149	136	122	46	76	27	14	32	14	16.7	24	17	7	M12×1.25

Bore/Symbol	L	M	P	Q	R	R1	S	U	V	W	X	AR	AX	AY
16	M16×1.5	14	6	12	14	14	9	21	6	5	M5	6	24	27.5
20	M22×1.5	10	8	16	19	10	12	27	8	6	G1/8"	7	33	29
25	M22×1.5	12	8	16	19	12	12	30	10	8	G1/8"	7	33	29
32	M24×2.0	12	10	16	25	12	15	35	12	10	G1/8"	8	37	32
40	M30×2.0	12	12	20	25	12	15	41.6	16	14	G1/8"	9	47	41

MA Series Stainless Steel Mini Cylinder

www.victorypneumatic.com

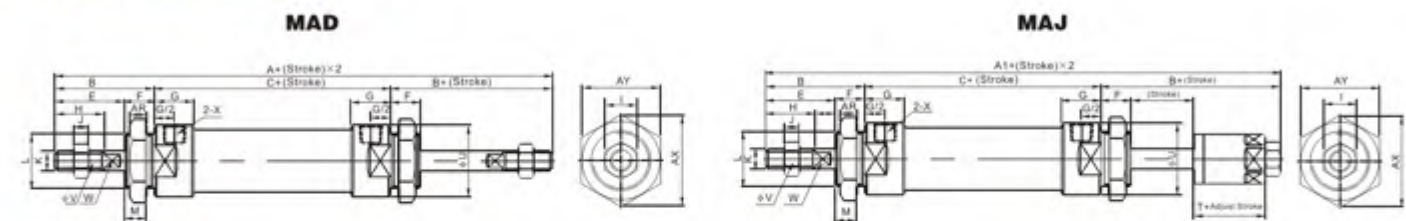
Overall Dimensions



Dimension Sheet

Symbol	A		A1		A2		B	C		D	D1	E	F	G	H	I	J
Bore/Stroke	0-50	51-100	0-50	51-100	0-50	51-100		0-50	51-100								
16	114	139	128	153	98	123	38	60	85	16	16	22	16	10	16	10	5
20	137	162	134	159	116	141	40	76	101	21	12	28	12	16	20	12	6
25	141	166	134	159	120	145	44	76	101	21	14	30	14	16	22	17	6
32	147	172	136	161	120	145	44	76	101	27	14	30	14	16	22	17	6
40	149	174	122	144	122	147	46	76	101	27	14	32	14	22	24	17	7
Inside Diameter/Symbol	K		L		M	P	Q	R	R1	S	U	V	W	X	AR	AX	AY
16	M6×1		M16×1.5		14	6	12	14	14	9	21	6	5	M5	6	25	22
20	M8×1.25		M22×1.5		10	8	16	19	10	12	27	8	6	G1/8"	7	33	29
25	M10×1.25		M22×1.5		12	8	16	19	12	12	30	10	8	G1/8"	7	33	29
32	M10×1.25		M24×2.0		12	10	16	25	12	15	35	12	10	G1/8"	8	37	32
40	M12×1.25		M30×2.0		12	12	20	25	12	15	41.6	16	14	G1/8"	9	47	41

Overall Dimensions



Dimension Sheet

Inside Diameter/Symbol	A	A1	B	C	E	F	G	H	I	J	K
16	136	135	38	60	22	16	10	16	10	5	M6×1
20	156	153	40	70	28	12	16	20	12	6	M8×1.25
25	164	161	44	70	30	14	16	22	17	6	M10×1.25
32	164	161	44	70	30	14	16	22	17	6	M10×1.25
40	168	164	46	92	32	14	22	14	17	7	M12×1.25

Inside Diameter/Symbol	L	M	U	V	W	X	AR	AX	AY	T
16	M16×1.5	14	21	6	5	M5	6	25	22	16
20	M22×1.5	10	29	9	6	G1/8"	7	33	29	19
25	M22×1.5	12	34	10	8	G1/8"	7	33	29	21
32	M24×1.5	12	39.5	12	10	G1/8"	8	37	32	21
40	M30×2.0	12	49.5	16	12	G1/8"	9	47	41	21

MAL Series Aluminum alloy Mini Cylinder



MAL 25×25

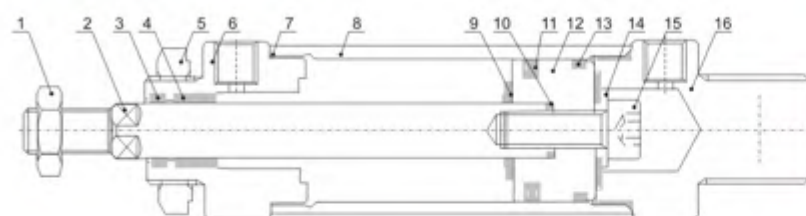


MALJ 25×75-S

Ordering Code

MAL	□	20 × 50	25	S	□
Type MAL: Double Action type MALC: With cushion type MSAL: Single Extrusion Type MALD: Dual Double Action Type MALCD: Dual Shaft Action Damping Type MALJ: Double-shaft And Adjust Able Stroke Type MALC: With Cushion Type	Back Cover Type Blank: Fishtail type CM: Rounded type U: Horizontal type	Cylinder Bore 16mm~40mm	Stroke	Adjustable Stroke Type 0~100mm	Magnet Code Blank: Without Magnet S: With Magnet
Fixed Type Blank: Normal type LB: Front and back fixed type FA: Front cover fixed type SDB: Back cover swinging type					

Internal structure



NO	Designation	NO	Designation
1	Piston Rod Nut	2	Piston Rod
3	Front Cover Seal Ring	4	Oiled Bearing
5	Front Cover Nut	6	Front Cover
7	Pipe wall O-ring	8	Aluminum tube
9	Anti-crash cushion	10	Piston rod O-Ring
11	Piston O-Ring	12	Piston
13	Wear ring	14	Back cushion
15	Hex socket screw	16	Back Cover

Specification

Bore(mm)	16	20	25	32	40
Motion pattern	Double Action or Single Action				
Working Medium	Air				
Fixed Type	Normal Type LB Type FA Type SDB Type				
Operating Voltage Range	0.1~0.9MPa				
Ensured Pressure Resistance	1.35MPa				
Operating Temperature Range	-5~70℃				
Operating Speed Range	30~800mm/s				
Buffer Type	Standard Type	Anti-crash cushion			
	Damping Type	Adjustable cushion			
Port Size	M5×0.8	G1/8"	G1/8"	G1/8"	G1/4"

Our Company can also make flat for cylinder covers inlet and outlet position. If you require this, it should be specified.

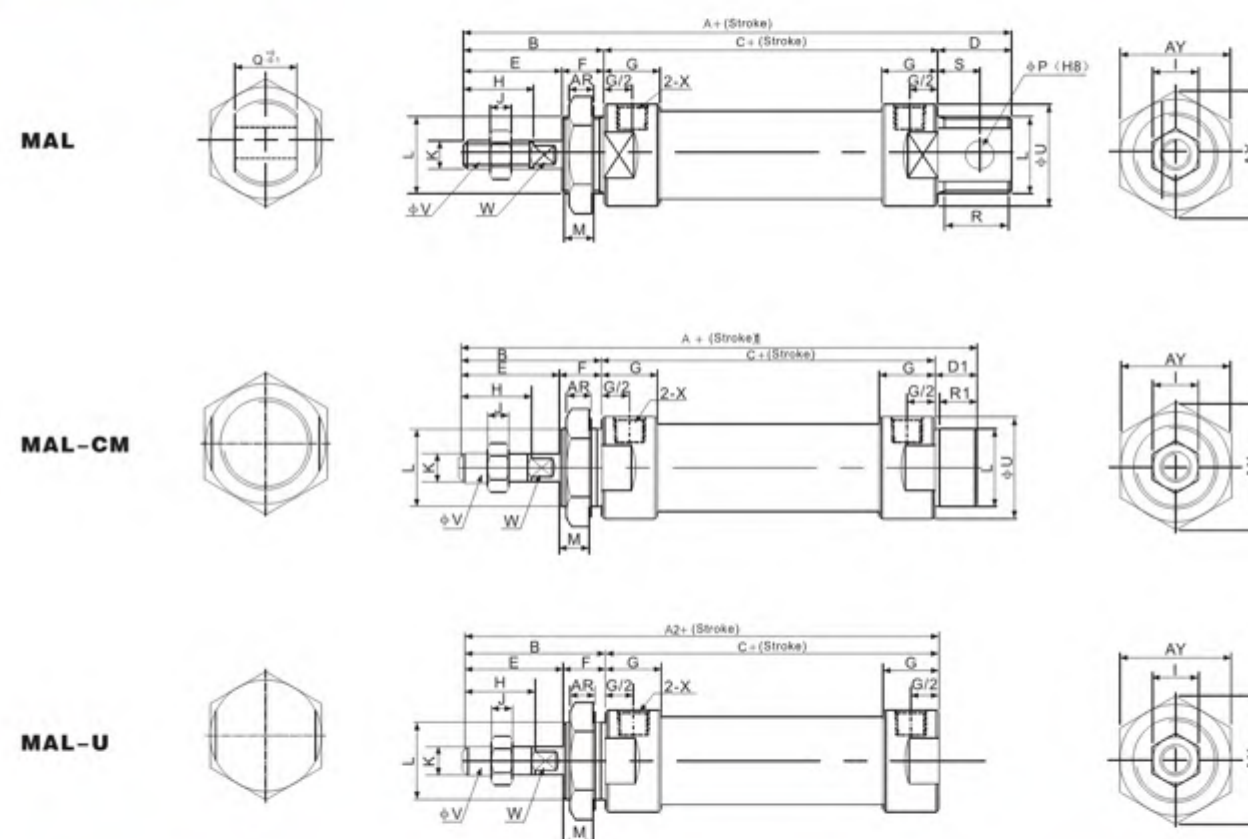
MAL Series Aluminum alloy Mini Cylinder



Stroke

Bore(mm)	Standard Stroke															Max.Stroke	Permissible Stroke
16	25	50	75	80	100	125	160	175	200							300	500
20	25	50	75	80	100	125	160	175	200	250	300					500	650
25	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	500	650
32	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	500	650
40	25	50	75	80	100	125	160	175	200	250	300	350	400	450	500	500	650

Overall Dimensions



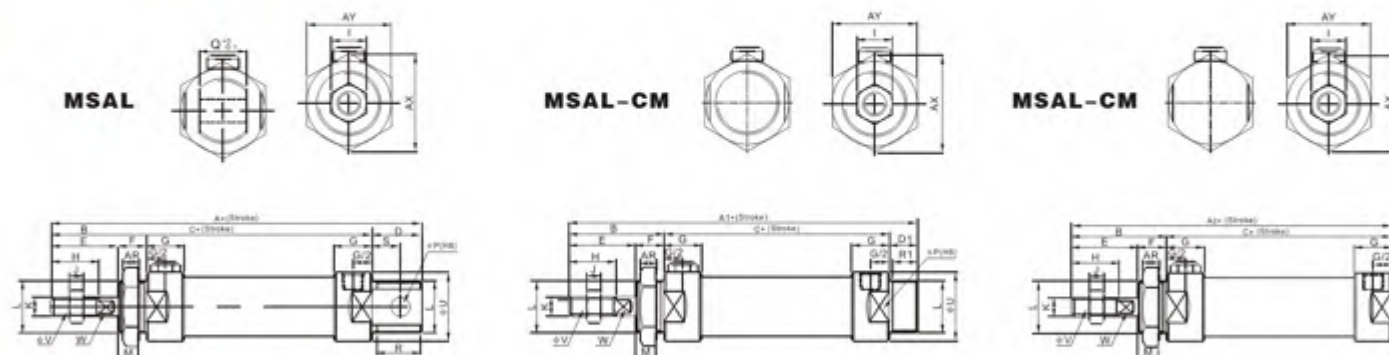
Dimension Sheet

Bore/Symbol	A	A1	A2	B	C	D	D1	E	F	G	H	I	J	K
16	114	114	98	38	60	16	16	22	16	10	16	10	5	M6×1
20	131	122	110	40	70	21	12	28	16	16	20	12	6	M8×1.25
25	135	128	114	44	70	21	14	30	16	16	22	17	6	M10×1.25
32	141	128	114	44	70	27	14	30	16	16	22	17	6	M10×1.25
40	165	152	138	45	92	27	14	32	22	22	24	17	7	M12×1.25

Bore/Symbol	L	M	P	Q	R	R1	S	U	V	W	X	AR	AX	AY
16	M16×1.5	14	6	12	14	14	9	21	6	5	M5	6	25	22
20	M22×1.5	10	8	16	19	10	12	29	8	6	G1/8"	7	33	29
25	M22×1.5	1	8	16	19	12	12	34	10	8	G1/8"	7	33	29
32	M24×2.0	12	10	16	25	12	15	39.5	12	10	G1/8"	8	37	32
40	M30×2.0	12	12	20	25	12	15	49.5	16	14	G1/4"	9	37	41

MAL Series Aluminum alloy Mini Cylinder

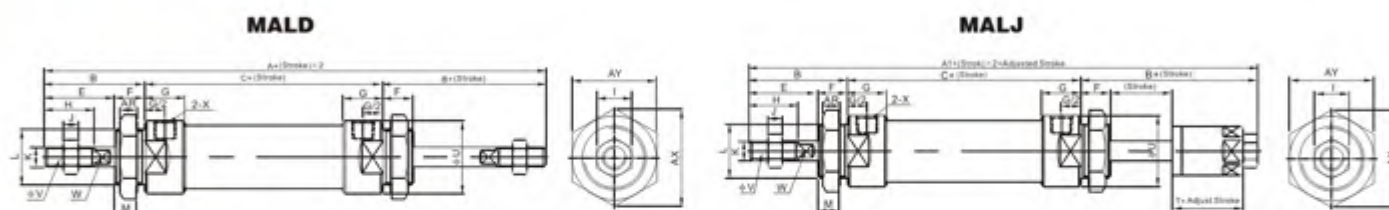
Overall Dimensions



Dimension Sheet

Symbol	A		A1		A2		B	C		D	D1	E	F	G	H	I	J
Bore/Stroke	0-50	51-100	0-50	51-100	0-50	51-100		0-50	51-100								
20	131	156	122	147	110	135	40	70	95	21	12	28	12	16	20	12	6
25	135	160	160	153	114	139	44	70	95	21	14	30	14	16	22	17	6
32	141	166	166	153	114	139	44	70	95	27	14	30	14	16	22	17	6
40	165	190	190	177	138	163	46	92	117	27	14	32	14	22	24	17	7
Inside Diameter/Symbol	K	L	M	P	Q	R	R1	S	U	V	W	X	AR	AX	AY		
20	M8×1.25	M22×1.5	10	8	16	19	10	12	29	8	6	G1/8"	7	33	29		
25	M10×1.25	M22×1.5	12	8	16	19	12	12	34	10	8	G1/8"	7	33	29		
32	M10×1.25	M24×2.0	12	10	16	25	12	15	39.5	12	10	G1/8"	8	37	32		
40	M12×1.25	M30×2.0	12	12	20	25	12	15	49.5	16	14	G1/4"	9	47	41		

Overall Dimensions



Dimension Sheet

Inside Diameter/Symbol	A	A1	B	C	E	F	G	H	I	I	K
20	150	147	40	70	28	12	16	20	12	6	M8×1.25
25	158	155	44	70	30	14	16	22	17	6	M10×1.25
32	158	155	44	70	30	14	16	22	17	6	M10×1.25
40	184	180	46	92	32	14	22	24	17	7	M12×1.25
Inside Diameter/Symbol	L	M	U	V	W	X	AR	AX	AY	T	
20	M22×1.5	10	29	8	6	G1/8"	7	33	29	19	
25	M22×1.5	12	34	10	8	G1/8"	7	33	29	21	
32	M24×1.5	12	39.5	12	10	G1/8"	8	37	32	21	
40	M30×2.0	12	49.5	16	14	G1/4"	9	47	41	21	

CM2 Series Stainless Steel mini Cylinder



CDM2B 20×14

Ordering Code

CM2	32	150	A
Series Code	Cylinder Bore	Stroke	Buffer
CM2B:Normal Type CDM2B:Attach magnet Type	20mm-40mm	0~1000mm	Blank:Rubber Buffer A:Air Buffer

Specification

Bore(mm)	20	25	32	40
Working Medium	Air			
Motion Pattern	Double action			
Ensured Pressure Resistance	15.3kgf/cm ² (1.5Mpa)			
Max.pressure	10.2kgf/cm ² (1.0Mpa)			
Min.pressure	0.5kgf/cm ² (0.05Mpa)			
Operating Temperature Range	-10~+70℃			
Operating Speed Range	50~750mm/s			
Buffering	Rubber buffer(Standard),Air buffer(Optional)			
Margin of Stroke Error(mm)	+1.4 0mm			
Port size	G1/8"	G1/8"	G1/8"	G1/4"

CJ2 Series Stainless Steel Type Cylinder



CJ2B 16×20



CJ2B 10×10

Ordering Code

CJ2	10	60	S																
Series Code	Cylinder Bore	Stroke	Action	The type of air hole on the head cover end															
CJ2B:Normal Type CDJ2B:Attach magnet Type	6mm-16mm	0~200mm	S:single action (with spring return) T:single action (with spring extent)	<table border="1"> <tr> <th>Mark</th><th>Bore</th><th>φ6</th><th>φ10</th><th>φ16</th></tr> <tr> <td>Blank</td><td>-</td><td>Vertical</td><td></td><td></td></tr> <tr> <td>R</td><td></td><td>Horizontal</td><td></td><td></td></tr> </table>	Mark	Bore	φ6	φ10	φ16	Blank	-	Vertical			R		Horizontal		
Mark	Bore	φ6	φ10	φ16															
Blank	-	Vertical																	
R		Horizontal																	

Specification

Bore(mm)	6	10	16
Working Medium	Air		
Motion Pattern	Double action/Single Action Extrusion type/Single Action Drawing-in Type		
Ensured Pressure Resistance	1.05Mpa(10.5kgf/cm ²)		
Max.pressure	0.7Mpa(7.1kgf/cm ²)		
Min.pressure	0.25Mpa(2.5kgf/cm ²)	0.15Mpa(1.5kgf/cm ²)	
Operating Temperature Range	-10~+70℃		
Operating Speed Range	50~750mm/s		
Buffering	Both side Rubber buffer(Standard)		
Margin of Stroke Error(mm)	+1.0 0 mm		
Port size	M5×0.8		

ADVU Series Compact Cylinder(ISO6431)

Ordering Code

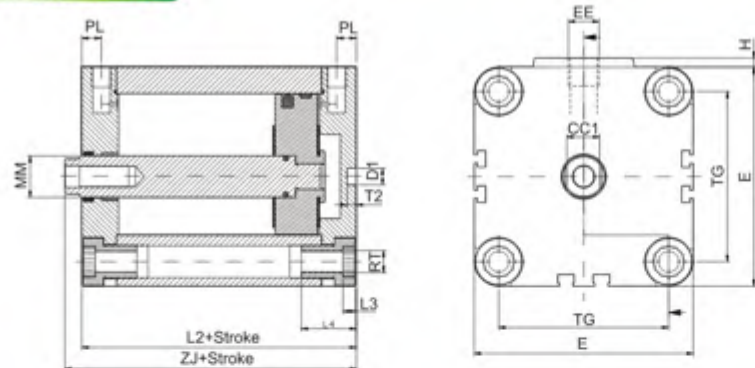


ADVU	50	80	A	P	A	S2
Type	Cylinder Bore	Stroke	Cog Type	Buffer Type	Magnet Code	Plunger Code
ADVU: Double Action Type AEVUZ: Single-driven type AEVUD: Double-shaft Double Action Type	16mm-100mm	Normal Type: Φ 16-25: 1-200mm Φ 32-63: 1-300mm Φ 80-100: 1-400mm Single Action: Φ 12: 1-10mm Φ 16-100: 1-25mm	Blank: Inner Thread A: Outer Thread		Blank: Without Magnet A: Attach Magnet	Blank: Single end connecting rod S2: Both ends connecting rod

Specification

Bore(mm)	16	20	25	32	40	50	63	80	100
Action	Double acting, single rod/double rod								
Working Medium	Air								
Ensured Pressure Resistance	1.5MPa								
Operating pressure range	ADVU - P-A 0.12~1.0MPa	0.1~1.0MPa	0.08~1.0MPa	0.06~1.0MPa	0.06~1.0MPa	0.06~1.0MPa	0.06~1.0MPa	0.06~1.0MPa	0.06~1.0MPa
Ambient and fluid temperature	-20~80 (No freezing)								
Port size	M5			G1/8"			G1/4"		
Piston rod thread	Female thread	M4	M5	M6	M8	M10	M12	M16	M20
	Male thread	M8	M10×1.25	M12×1.25	M16×1.5	M20×1.5	M25×1.5	M32×1.5	M40×1.5
Cushion	Rubber bumper								

Overall Dimensions



ADVU□-□-P-A /Series

Note
To attach cylinder, 12 and 16 mm from above, use only 2 screws diagonally or non-magnetic screws.
+= plus stroke length
2 Minimum screw-in depth

Dimension Sheet

Bore size(mm)	D1	E	EE	H	L2	L3	L4	MM	PL	RT	T2	TG	ZJ	CC1
16	6	29	M5	1	38	4	18.5	8	8	M4	4	18	41	6
20	6	35.5	M5	1.5	38	4	18.5	10	8	M5	4	22	41	8
25	6	39.5	M5	1.5	39.5	4	18.5	10	8	M5	4	26	43.5	8
32	6	49.5	G1/8	2	44.5	5	22	12	8	M6	4	32	49.5	10
40	6	59.5	G1/8	2.5	45.5	5	22	12	8	M6	4	42	51	10
50	6	68	G1/8	2.8	46.5	5	22	16	8	M8	4	50	53	14
63	8	86	G1/8	4	50	6	26	16	8	M10	4	62	56	14
80	8	106	G1/8	4	56	6	26	20	8.5	M10	4	82	62	17
100	8	128	G1/4	5	66.5	8	26	35	10.5	M10	4	103	76.5	22

Note: ADVU Series Cylinder With 100mm Bore Is Being Developed, Not Available At The Moment.

SDA Series Thin Type (Compact) Cylinder



SDA 20×20



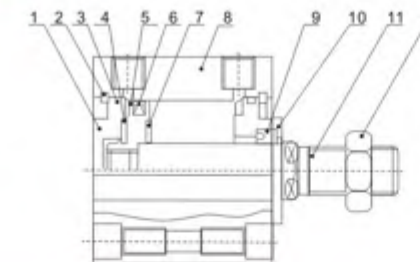
SDA 32×25-10

Ordering Code

SDA	20	30	5	S	B
Type	Cylinder Bore	Stroke	Adjust Stroke	Magnet Code	Thread
SDA: Double Action Type SSA: Single Action Extrusion Type STA: Single Action Drawing-in Type SDAD: Double-shaft Double Action Type SDAJ: Double-shaft and Adjustable Stroke Type	12mm~100mm		5mm 15mm 25mm	Blank: Without Magnet S: Attach Magnet	Blank: Inner Thread B: Outer Thread N: No Thread

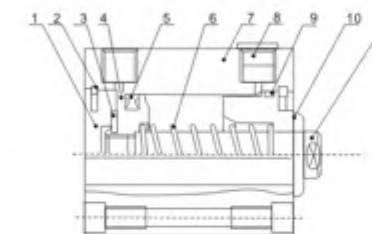
Internal structure

SDA Type



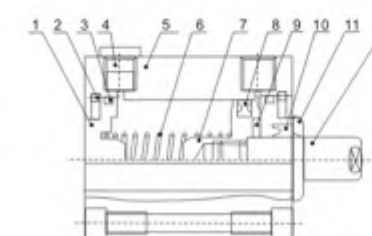
NO	Designation	NO	Designation
1	Back cover	2	Type C buckle ring
3	O-ring	4	Anti-crash cushion
5	Piston	6	Piston O-ring
7	Anti-crash cushion	8	Barrel
9	Front cover seal ring	10	Front cover
11	Piston rod	12	Piston Rod Nut

SSA Type



NO	Designation	NO	Designation
1	Back cover	2	Type C buckle ring
3	Anti-crash cushion	4	Piston
5	Piston O-ring	6	Compressed spring
7	Barrel	8	Silencer
9	Cover O-ring	10	Front cover
11	Piston rod		

STA Type



NO	Designation	NO	Designation
1	Back cover	2	Type C buckle ring
3	Cover O-ring	4	Silencer
5	Barrel	6	Compressed spring
7	Piston	8	Piston O-ring
9	Anti-crash cushion	10	Front cover seal ring
11	Front cover	12	Piston rod

SDA Series Thin Type (Compact) Cylinder

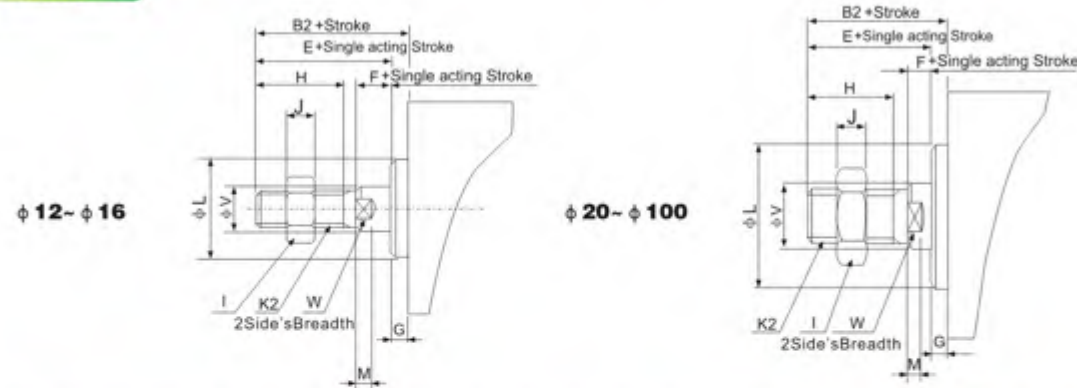
Specification

Bore(mm)	12	16	20	25	32	40	50	63	80	100
Motion Pattern	Double Acting									
	Single Acting Extrusion type Single Acting Drawing-in Type									
Working Medium	Air									
Operating Voltage Range	Double Action Single Action									
	0.1~0.9MPa									
Ensured Pressure Resistance	1.35MPa									
Operating Temperature Range	-5~70℃									
Operating Speed Range	Double Action Single Action									
	30~500mm/s									
	100~500mm/s									
Buffer Type	Fixed Type Buffer									
Port Size	M5×0.8									
	G1/8"									
	G3/8"									

Stroke

Bore(mm)	12	16	20	25	32	40	50	63	80	100
Double Action	Not attach magnet 5~60 mm Every 5mm is grouped as one grade	5~85 mm Every 5mm is grouped as one grade	5~90 mm Every 5mm is grouped as one grade	100~110 mm Every 5mm is grouped as one grade	5~90 mm Every 5mm is grouped as one grade	100~130 mm Every 5mm is grouped as one grade				
Attach magnet	5~50 mm Every 5mm is grouped as one grade	5~75mm Every 5mm is grouped as one grade	5~90 mm Every 5mm is grouped as one grade	100mm	5~90 mm Every 5mm is grouped as one grade	100~120 mm Every 5mm is grouped as one grade				
Single Action	Not attach magnet	5~30 mm Every 5mm is grouped as one grade			5~30 mm Every 5mm is grouped as one grade					
Attach magnet	5~30 mm Every 5mm is grouped as one grade				5~30 mm Every 5mm is grouped as one grade					
Max.Stroke	60mm	100mm	120mm	130mm						

Outer Thread Dimension



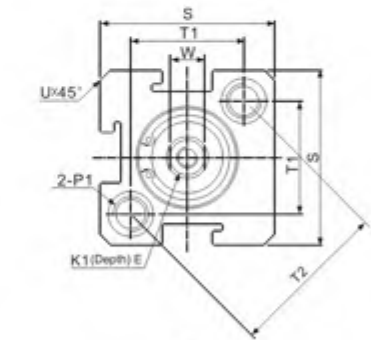
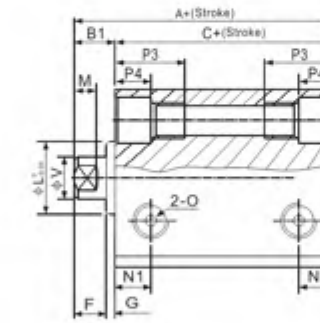
Bore/Symbol	B2	E	F	G	H	I	J	K2	L	M	V	W
12	17	16	4	1	10	8	4	M5×0.8	10.2	2.8	6	5
16	17.5	16	4	1.5	10	8	4	M5×0.8	11	2.8	6	5
20	20.5	19	4	1.5	13	10	5	M6×1.0	16	2.8	8	6
25	23	21	4	2	15	12	6	M10×1.5	17	2.8	10	8
32	25	22	4	3	15	17	6	M14×1.5	22	2.8	12	10
40	35	32	4	3	25	19	8	M18×1.5	28	2.8	16	14
50	37	33	5	4	25	27	11	M18×1.5	38	2.8	20	17
63	37	33	5	4	25	27	11	M22×1.5	40	2.8	20	17
80	44	39	6	5	30	32	13	M22×1.5	45	4	25	22
100	50	45	7	5	35	36	13	M26×1.5	55	4	32	27

SDA Series Thin Type (Compact) Cylinder

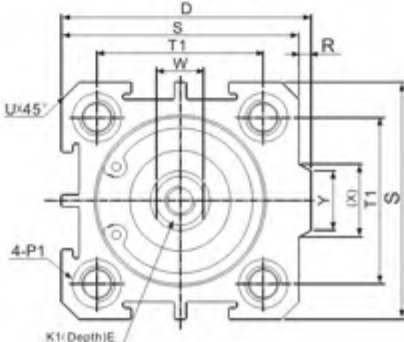
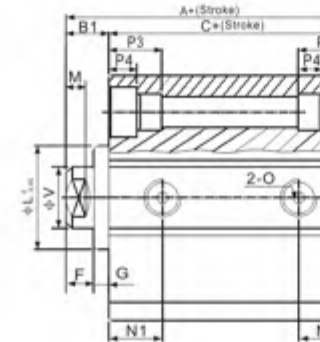
www.victorypneumatic.com

Overall Dimensions

SDA.SDAS Type φ12-φ16



SDA.SDAS Type φ20-φ100



Dimension Sheet

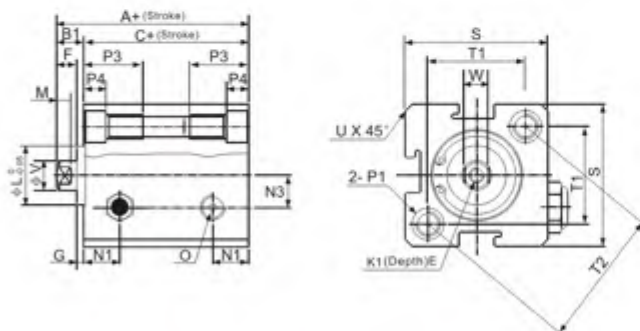
Type	Standard type			Attach Magnet			D	E		F	G	K1	L	M	N1
Bore Size/Symbol	A	B1	C	A	B1	C		Stroke≤10	Stroke>10						
12	22	5	17	32	5	27	-	6		4	1	M3×0.5	10.2	2.8	6.3
16	24	5.5	18.5	34	5.5	28.5	-	6		4	1.5	M3×0.5	11	2.8	7.3
20	25	5.5	19.5	35	5.5	29.5	36	8		4	1.5	M4×0.7	15	2.8	7.5
25	27	6	21	37	6	31	42	10		4	2	M5×0.8	17	2.8	8
32	31.5	7	24.5	41.5	7	34.5	50	12		4	3	M6×1	22	2.8	9
40	33	7	28	43	7	36	58.5	12		4	3	M8×1.25	28	2.8	10
50	37	9	28	47	9	38	71.5	15		5	4	M10×1.5	38	2.8	10.5
63	41	9	32	51	9	42	84.5	15		5	4	M10×1.5	40	2.8	11.8
80	52	11	41	62	11	51	104	15	20	6	5	M14×1.5	45	4	14.5
100	63	12	51	73	12	61	124	18	20	7	5	M18×1.5	55	4	20.5

Bore Size/Symbol	N3	O	P1	P3	P4	R	S	T1	T2	U	V	W	X	Y
12	6	M5×0.8	Double Sides: Φ6.5/Thread:M5×0.8/Through ports: Φ4.2	12	4.5	-	25	16.2	23	1.6	6	5	-	-
16	6.5	M5×0.8	Double Sides: Φ6.5/Thread:M5×0.8/Through ports: Φ4.2	12	4.5	-	29	19.8	28	1.6	6	5	-	-
20	-	M5×0.8	Double Sides: Φ6.5/Thread:M5×0.8/Through ports: Φ4.2	14	4.5	2	34	24	-	2.1	8	6	11.3	10
25	-	M5×0.8	Double Sides: Φ8.2/Thread:M6×1.0/Through ports: Φ4.6	15	5.5	2	40	28	-	3.1	10	8	12	10
32	-	G1/8"	Double Sides: Φ8.2/Thread:M6×1.0/Through ports: Φ4.6	16	5.5	6	44	34	-	2.15	12	10	18.3	15
40	-	G1/8"	Double Sides: Φ10/Thread:M8×1.25/Through ports: Φ6.5	20	7.5	6.5	52	40	-	2.25	16	14	21.3	16
50	-	G1/4"	Double Sides: Φ11/Thread:M8×1.25/Through ports: Φ6.5	25	8.5	9.5	62	48	-	4.15	20	17	30	20
63	-	G1/4"	Double Sides: Φ11/Thread:M8×1.25/Through ports: Φ6.5	25	8.5	9.5	75	60	-	3.15	20	17	28.7	20
80	-	G3/8"	Double Sides: Φ14/Thread:M12×1.75/Through ports: Φ9.2	25	10.5	10	94	74	-	3.65	25	22	36	26
100	-	G3/8"	Double Sides: Φ17.5/Thread:M14×2/Through ports: Φ11.3	30	13	10	114	90	-	3.65	32	27	35	26

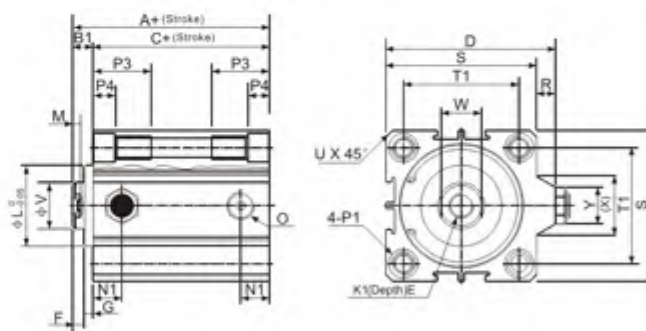
SDA Series Thin Type (Compact) Cylinder

Overall Dimensions

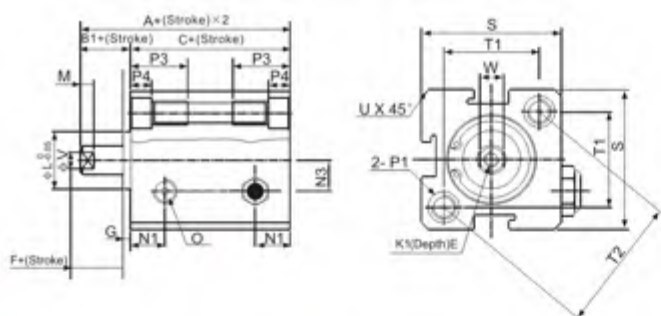
SSA.SSAS Type $\phi 12 - \phi 16$



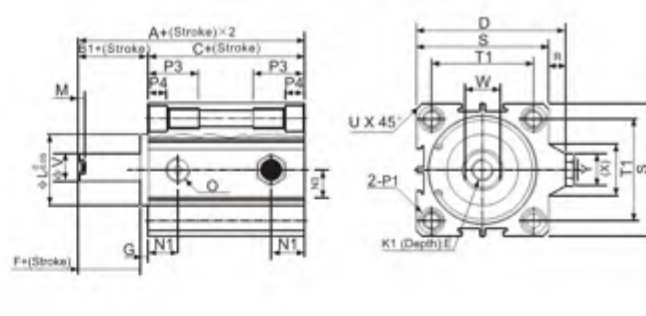
SSA.SSAS Type $\phi 20 - \phi 40$



STA.STAS Type $\phi 12 - \phi 16$



STA.STAS Type $\phi 20 - \phi 40$



Dimension Sheet

Type	Standard Type					Attach magnet					D	E	F	G	K1	L	M	N1
Bore /Stroke/ Symbol	A		B1	C		A		B1	C									
	≤10	>10		≤10	>10	≤10	>10		≤10	>10								
12	32	42	5	27	37	42	52	5	37	47	-	6	4	1	M3×0.5	10.2	2.8	6.3
16	34	44	5.5	28.5	38.5	44	54	5.5	38.5	48.5	-	6	4	1.5	M3×0.5	11	2.8	7.3
20	35	45	5.5	29.5	39.5	45	55	5.5	39.5	49.5	36	8	4	1.5	M4×0.7	16	2.8	7.5
25	37	47	6	34	41	47	57	6	41	51	42	10	4	2	M5×0.8	17	2.8	8
32	41.5	51.5	7	34.5	44.5	51.5	61.5	7	44.5	54.5	50	12	4	3	M6×1	22	2.8	9
40	43	53	7	36	46	53	63	7	46	56	58.5	12	4	3	M8×1.25	28	2.8	10

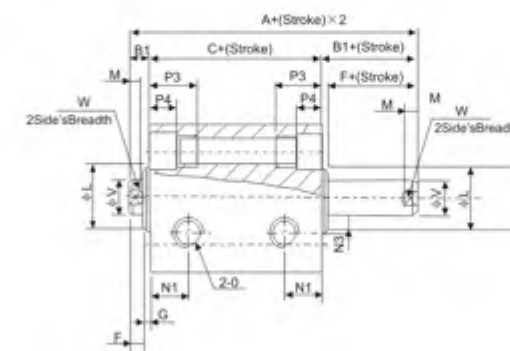
Bore Size/Symbol	N3	O	P1			P3	P4	R	S	T1	T2	U	V	W	X	Y
12	6	M5×0.8	Double Sides: Φ6.5/Thread:M5×0.8/Through ports: Φ4.2			12	4.5	-	25	16.2	23	1.6	6	5	-	-
16	6.5	M5×0.8	Double Sides: Φ6.5/Thread:M5×0.8/Through ports: Φ4.2			12	4.5	-	29	19.8	28	1.6	6	5	-	-
20	-	M5×0.8	Double Sides: Φ6.5/Thread:M5×0.8/Through ports: Φ4.2			14	4.5	2	34	24	-	2.1	8	6	11.3	10
25	-	M5×0.8	Double Sides: Φ8.2/Thread:M6×1.0/Through ports: Φ4.6			15	5.5	2	40	28	-	3.1	10	8	12	10
32	-	G1/8"	Double Sides: Φ8.2/Thread:M6×1.0/Through ports: Φ4.6			16	5.5	6	44	34	-	2.15	12	10	18.3	15
40	-	G1/8"	Double Sides: Φ10/Thread:M8×1.25/Through ports: Φ6.5			20	7.5	6.5	52	40	-	2.25	16	14	21.3	16

SDA Series Thin Type (Compact) Cylinder

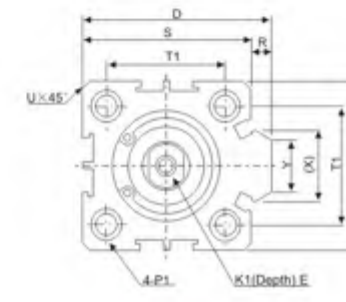
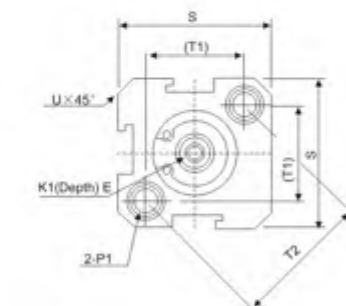
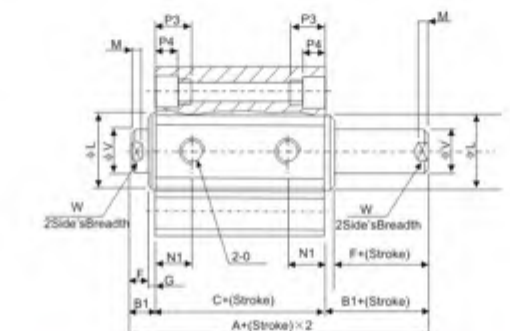


Overall Dimensions

SDAD.SDADS Type
 $\phi 12 - \phi 16$



SDAD.SDADS Type
 $\phi 20 - \phi 100$



Dimension Sheet

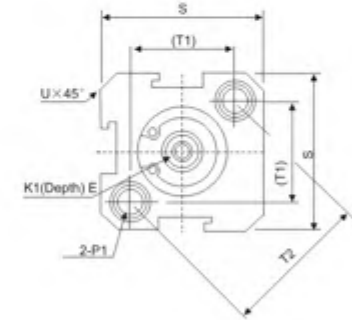
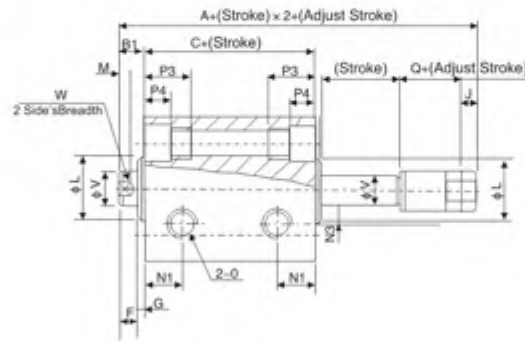
Type	Standard type			Attach Magnet			D	E		F	G	K1	L	M	N1
Bore Size/Symbol	A	B1	C	A	B1	C		Stroke≤10	Stroke>10						
12	27	5	17	37	5	27	-	6		4	1	M3×0.5	10.2	2.8	6.3
16	29.5	5.5	18.5	39.5	5.5	28.5	-	6		4	1.5	M3×0.5	11	2.8	7.3
20	30.5	5.5	19.5	40.5	5.5	29.5	36	8(Stroke=5/itis6.5)		4	1.5	M4×0.7	16	2.8	7.5
25	33	6	21	43	6	31	42	10(Stroke=5/itis7)		4	2	M5×0.8	17	2.8	8
32	38.5	7	24.5	48.5	7	34.5	50	8	12	4	3	M6×1	22	2.8	9
40	40	7	28	50	7	36	58.5	9	12	4	3	M8×1.25	28	2.8	10
50	46	9	28	56	9	38	71.5	11	15	5	4	M10×1.5	38	2.8	10.5
63	50	9	32	60	9	42	84.5	11	15	5	4	M10×1.5	40	2.8	11.8
80	63	11	41	73	11	51	104	14	20	6	5	M14×1.5	45	4	14.5
100	75	12	51	85	12	61	124	18	20	7	5	M18×1.5	55	4	20.5

Bore Size/Symbol	N3	O	P1				P3	P4	R	S	T1	T2	U	V	W	X	Y
12	6	M5×0.8	Double Sides:Φ6.5/Thread:M5×0.8/Through ports:Φ4.2				12	4.5	-	25	16.2	23	1.6	6	5	-	-
16	6.5	M5×0.8	Double Sides:Φ6.5/Thread:M5×0.8/Through ports:4.2				12	4.5	-	29	19.8	28	1.6	6	5	-	-
20	-	M5×0.8	Double Sides:Φ6.5/Thread:M5×0.8/Through ports:Φ4.2				14	4.5	2	34	24	-	2.1	8	6	11.3	10
25	-	M5×0.8	Double Sides:Φ8.2/Thread:M6×1.0/Through ports:Φ4.6				15	5.5	2	40	28	-	3.1	10	8	12	10
32	-	G1/8"	Double Sides:Φ8.2/Thread:M6×1.0/Through ports:Φ4.6				16	5.5	6	44	34	-	2.15	12	10	18.3	15
40	-	G1/8"	Double Sides:Φ10/Thread:M8×1.25/Through ports:Φ6.5				20	7.5	6.5	52	40	-	2.25	16	14	21.3	16
50	-	G1/4"	Double Sides:Φ11/Thread:M8×1.25/Through ports:Φ6.5				25	8.5	9.5	62	48	-	4.15	20	17	30	20
63	-	G1/4"	Double Sides:Φ11/Thread:M8×1.25/Through ports:Φ6.5				25	8.5	9.5	75	60	-	3.15	20	17	28.7	20
80	-	G3/8"	Double Sides:Φ14/Thread:M12×1.75/Through ports:Φ9.2				25	10.5	10	94	74	-	3.65	25	22	36	26
100	-	G3/8"	Double Sides:Φ17.5/Thread:M14×2/Through ports:Φ11.3				30	13	10	114	90	-	3.65	32	27	35	26

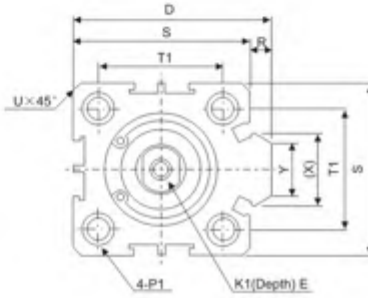
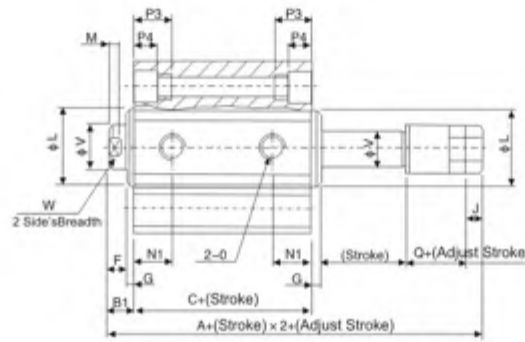
SDA Series Thin Type (Compact) Cylinder

Overall Dimensions

SDAJ.SDAJS Type
φ12~φ16



SDAJ.SDAJS Type
φ20~φ100



Dimension Sheet

Type	Standard type			Attach Magnet			D	E		F	G	K1	L	M	N1
Bore Size/Symbol	A	B1	C	A	B1	C		Stroke ≤ 10	Stroke > 10						
12	22	5	17	32	5	27	-	6		4	1	M3×0.5	10.2	2.8	6.3
16	24	5.5	18.5	34	5.5	28.5	-	6		4	1.5	M3×0.5	11	2.8	7.3
20	25	5.5	19.5	35	5.5	29.5	36	8		4	1.5	M4×0.7	15	2.8	7.5
25	27	6	21	37	6	34	42	10		4	2	M5×0.8	17	2.8	8
32	31.5	7	24.5	41.5	7	34.5	50	12		4	3	M6×1	22	2.8	9
40	33	7	28	43	7	36	58.5	12		4	3	M8×1.25	28	2.8	10
50	37	9	28	47	9	38	71.5	15		5	4	M10×1.5	38	2.8	10.5
63	41	9	32	51	9	42	84.5	15		5	4	M10×1.5	40	2.8	11.8
80	52	11	41	62	11	51	104	15	20	6	5	M14×1.5	45	4	14.5
100	63	12	51	73	12	61	124	18	20	7	5	M18×1.5	55	4	20.5

Bore Size/Symbol	N3	O	P1	P3	P4	R	S	T1	T2	U	V	W	X	Y
12	6	M5×0.8	Double Sides: φ6.5/Thread:M5×0.8/Through ports: φ4.2	12	4.5	-	25	16.2	23	1.6	6	5	-	-
16	6.5	M5×0.8	Double Sides: φ6.5/Thread:M5×0.8/Through ports: φ4.2	12	4.5	-	29	19.8	28	1.6	6	5	-	-
20	-	M5×0.8	Double Sides: φ6.5/Thread:M5×0.8/Through ports: φ4.2	14	4.5	2	34	24	-	2.1	8	6	11.3	10
25	-	M5×0.8	Double Sides: φ6.5/Thread:M6×1.0/Through ports: φ4.6	15	5.5	2	40	28	-	3.1	10	8	12	10
32	-	G1/8"	Double Sides: φ6.5/Thread:M6×1.0/Through ports: φ4.6	16	5.5	6	44	34	-	2.15	12	10	18.3	15
40	-	G1/8"	Double Sides: φ6.5/Thread:M8×1.25/Through ports: φ6.5	20	7.5	6.5	52	40	-	2.25	16	14	21.3	16
50	-	G1/4"	Double Sides: φ6.5/Thread:M8×1.25/Through ports: φ6.5	25	8.5	9.5	62	48	-	4.15	20	17	30	20
63	-	G1/4"	Double Sides: φ6.5/Thread:M8×1.25/Through ports: φ6.5	25	8.5	9.5	75	60	-	3.15	20	17	28.7	20
80	-	G3/8"	Double Sides: φ6.5/Thread:M12×1.75/Through ports: φ9.2	25	10.5	10	94	74	-	3.65	25	22	36	26
100	-	G3/8"	Double Sides: φ6.5/Thread:M12×1.75/Through ports: φ11.3	30	13	10	114	90	-	3.65	32	27	35	26

CQ2 Series Compact Cylinder



CQ2B 25×20



CQ2B 16×20

Ordering Code

CQ2

Series Code
CQ2:Normal Type
CDQ2:Attach magnet Type

□

Mounting Style
B:with through bore
A:with female thread on both ends

12

Cylinder Bore
Single action:12mm-50mm
Double action:12mm-100mm

10

Stroke
0~100mm

D

Action
D:Double action
S:Single action (with spring return)
T:Single action (with spring extent)

□

Cylinder body (optional)
Blank:Inner Thread Type
M:Thread outer Type
C:With cushion

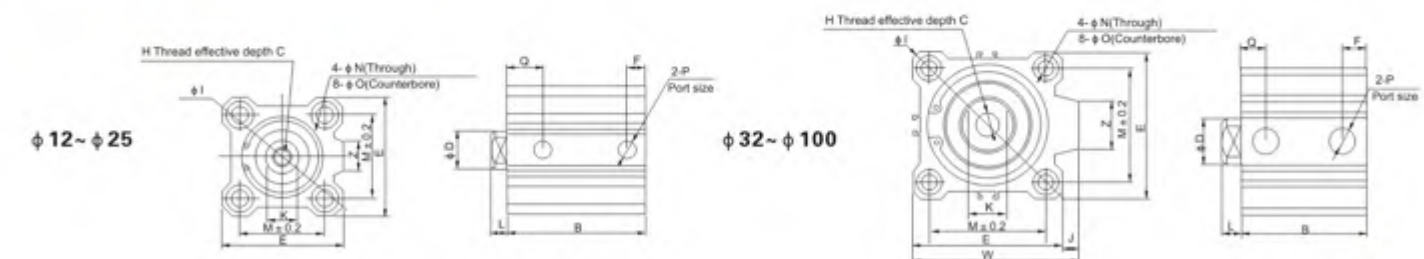
Specification

Bore(mm)	12	16	20	25	32	40	50	63	80	100
Working Medium	Air									
Motion Pattern	Double action/Single Action Extrusion type/Single Action Drawing-in Type									
Ensured Pressure Resistance	15.3kgf/cm ² (1.5Mpa)									
Max.pressure	10.2kgf/cm ² (1.0Mpa)									
Environment and fluid temp	5~+60℃									
Thread Type	Inner Thread(Standard)/Outer Thread(Optional)									
Buffering	NO									
Margin of Stroke Error(mm)	+1.0 0									
Installation	Through Hole (Standard). Inner size on the two sides(Optional)									
Port size	M5×0.8			G1/8"			G1/4"		G3/8"	

Note:Pls Confirm Single Type Can't With Cushion.

Overall Dimensions

Through Hole Type/CQ2B Series



CQ2 Series Compact Cylinder

Dimension Sheet(Double Action)

Model	Stroke range (mm)	B	ΦD	E	F	H	C	ΦI	J	K	L	M	ΦN	ΦO	P	Q	W	Z
CQ2B12-□D	5~30	17+st	6	25	5	M3×0.5	6	32	-	5	3.5	15.5	3.5	6.5 depth 3.5	M5×0.8	7.5	-	-
CQ2B16-□D	5~30	18.5+st	8	29	5.5	M4×0.7	8	38	-	6	3.5	20	3.5	6.5 depth 3.5	M5×0.8	8	-	10
CQ2B20-□D	5~50	19.5+st	10	36	5.5	M5×0.8	7	47	-	8	4.5	25.5	5.5	9 depth 7	M5×0.8	9	-	10
CQ2B25-□D	5~50	22.5+st	12	40	5.5	M6×1.0	12	52	-	10	5	28	5.5	9 depth 7	M5×0.8	11	-	10
CQ2B32-□D	5~50	23+st	16	45	5.5	M8×1.25	13	60	4.5	14	7	34	5.5	9 depth 7	M5×0.8	11.5	49.5	18
CQ2B40-□D	5~50	29.5+st	16	52	8	M8×1.25	13	69	5	14	7	40	5.5	9 depth 7	1/8	11	57	18
CQ2B50-□D	10~50	30.5+st	20	64	10.5	M10×1.5	15	86	7	17	8	50	6.6	11 depth 8	1/4	10.5	71	22
CQ2B63-□D	10~50	36+st	20	77	10.5	M10×1.5	15	103	7	17	8	60	9	14 depth 10.5	1/4	15	84	22
CQ2B80-□D	10~50	43.5+st	25	98	12.5	M16×2.0	21	132	6	22	10	77	11	17.5 depth 13.5	3/8	16	104	26
CQ2B100-□D	10~50	53+st	30	117	13	M20×2.5	27	156	6.5	27	12	94	11	17.5 depth 13.5	3/8	23	123.5	26

Note 1)The standard stroke is at a distance of each 5 mm.

Note 2)The stroke between 55mm-100mm(55,60,65,70,80,85,90,95,)need to be added thickness of 5,10,15 or 20mm pad.

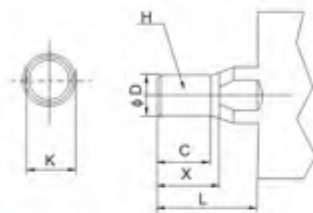
Note 3)External dimensions with bumper are same as standard type as shown above.

Dimension Sheet(Single Action)

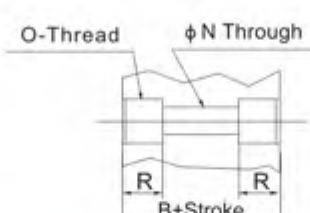
Model	B			ΦD	E	F		H	C	ΦI	J	K	L	M	ΦN	ΦO	P			Q		W	Z
	5st	10st	20st			5st	10st										5st	10st	20st	5st	10st		
CQ2B12-□S	22	27	-	6	25	5	5	M3×0.5	6	32	-	5	3.5	15.5	3.5	6.5 depth 3.5	M5×0.8	-	7.5	7.5	-	-	
CQ2B16-□S	23.5	28.5	-	8	29	5.5	5.5	M4×0.7	8	38	-	6	3.5	20	3.5	6.5 depth 3.5	M5×0.8	-	8	8	-	10	
CQ2B20-□S	24.5	29.5	-	10	36	5.5	5.5	M5×0.8	7	47	-	8	4.5	25.5	5.5	9 depth 7	M5×0.8	-	9	9	-	10	
CQ2B25-□S	27.5	32.5	-	12	40	5.5	5.5	M6×1.0	12	52	-	10	5	28	5.5	9 depth 7	M5×0.8	-	11	11	-	10	
CQ2B32-□S	28	33	-	16	45	5.5	7.5	M8×1.25	13	60	4.5	14	7	34	5.5	9 depth 7	M5×0.8	1/8	-	11.5	11.5	49.5	18
CQ2B40-□S	34.5	39.5	-	16	52	8	8	M8×1.25	13	69	5	14	7	40	5.5	9 depth 7	1/8	-	11	11	57	18	
CQ2B50-□S	-	40.5	50.5	20	64	10.5	10.5	M10×1.5	15	86	7	17	8	50	6.6	11 depth 8	-	1/4	10.5	10.5	71	22	

St=Stroke

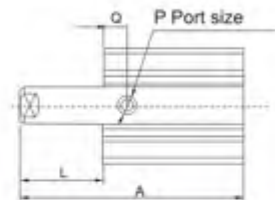
Thread outer Type



(Inner Thread Type)/CQ2A



Single Action (with Spring extent) Φ12~Φ50



Thread outer Type

Bore (mm)	C	X	ΦD	H	L	K
12	9	10.5	6	M5×0.8	14	5
16	10	12	8	M6×1.0	15.5	6
20	12	14	10	M8×1.25	18.5	8
25	15	17.5	12	M10×1.25	22.5	10
32	20.5	23.5	16	M14×1.5	28.5	14
40	20.5	23.5	16	M14×1.5	28.5	14
50	26	28.5	20	M18×1.5	33.5	17
63	26	28.5	20	M18×1.5	33.5	17
80	32.5	35.5	25	M22×1.5	43.5	22
100	32.5	35.5	30	M26×1.5	43.5	27

Note3)Inner Thread Type

Bore (mm)	O	R
12	M4×0.7	7
16	M4×0.7	7
20	M6×1.0	10
25	M6×1.0	10
32	M6×1.0	10
40	M6×1.0	10
50	M8×1.25	14
63	M10×1.5	18
80	M12×1.75	22
100	M12×1.75	22

Single Action (with Spring extent)

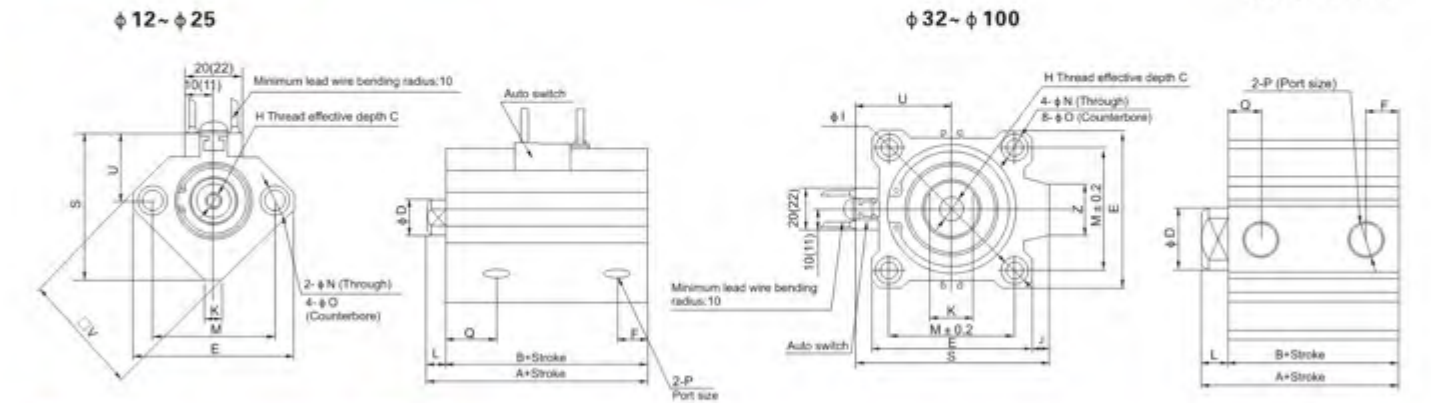
Bore (mm)	A			L		
	5st	10st	20st	5st	10st	20st
12	30.5	40.5	-	8.5	13.5	-
16	32	42	-	8.5	13.5	-
20	34	44	-	9.5	14.5	-
25	37.5	47.5	-	10	15	-
32	40	50	-	12	17	-
40	46.5	56.5	-	12	17	-
50	-	58.5	78.5	-	18	28

*External dimensions with bumper are same as standard type as shown above.

CQ2 Series Compact Cylinder



Overall Dimensions



Dimension Sheet(Double Action)

Model	Note1) Stroke range (mm)	A	B	ΦD	E	F	H	C	ΦI	J	K	L	M	ΦN	ΦO	P	Q	S	U	V	Z
CDQ2B12	5~30	31.5	28	6	32	6.5	M3×0.5	6	-	-	5	3.5	22	3.5	6.5 depth 3.5	M5×0.8	11	35.5	19.5	25	-
CDQ2B16	5~30	34	30.5	8	38	5.5	M4×0.7	8	-	-	6	3.5	28	3.5	6.5 depth 3.5	M5×0.8	10	41.5	22.5	29	-
CDQ2B20	5~50	36	31.5	10	46.8	5.5	M5×0.8	7	-	-	8	4.5	36	5.5	9 depth 7	M5×0.8	10.5	48	24.5	36	-
CDQ2B25	5~50	37.5	32.5	12	52	5.5	M6×1.0	12	-	-	10	5	40	5.5	9 depth 7	M5×0.8	11	53.5	27.5	40	-
CDQ2B32	5~50	40	33	16	45	7.5	M8×1.25	13	60	4.5	14	7	34	5.5	9 depth 7	1/8	10.5	58.5	31.5	-	18
CDQ2B40	5~50	46.5	39.5	16	52	8	M8×1.25	13	69	5	14	7	40	5.5	9 depth 7	1/8	11	66	35	-	18
CDQ2B50	10~50	48.5	40.5	20	64	10.5	M10×1.5	15	86	7	17	8	50	6.6	11 depth 8	1/4	10.5	80	41	-	22
CDQ2B63	10~50	54	46	20	77	10.5	M10×1.5	15	103	7	17	8	60	9	14 depth 10.5	1/4	15	93	47.5	-	22
CDQ2B80	10~50	63.5	53.5	25	98	12.5	M16×2.0	21	132	6	22	10	77	11	17.5 depth 13.5	3/8	16	112.5	57.5	-	26
CDQ2B100	10~50	75	63	30	117	13	M20×2.5	27	156	6.5	27	12	94	11	17.5 depth 13.5	3/8	23	132.5	67.5	-	26

Note2) (Long Stroke)

Model	Stroke (mm)	A	B	F	P	Q
32	75,100	40	33	7.5	1/8	10.5
40	75,100	46.5	39.5	8	1/8	11
50	75,100	48.5	40.5	10.5	1/4	10.5
63	75,100	54	46	10.5	1/4	15
80	75,100	63.5	53.5	12.5	3/8	16
100	75,100	75	63	13	3/8	23

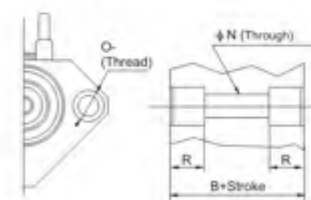
Note 1)The standard stroke is at a distance of each 5 mm.

Note 2)The stroke between 55mm-100mm(55,60,65,70,80,85,90,95,)need to be added thickness of 5,10,15 or 20mm pad.

Note 3)External dimensions with bumper are same as standard type as shown above.

Note 4)The stroke of cylinder in 5 mm can be fixed only one magnetism switch

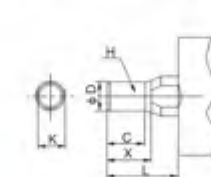
Inner Thread Type CDQ2A



Note3)Inner Thread Type

Bore (mm)	O	R
12	M4×0.7	7
16	M4×0.7	7
20	M6×1.0	10
25	M6×1.0	10
32	M6×1.0	10
40	M6×1.0	10
50	M8×1.25	14
63	M10×1.5	18
80	M12×1.75	22
100	M12×1.75	22

Thread outer type



Thread outer type

Bore (mm)	C	X	ΦD	H	L	K
12	9	10.5	6	M5×0.8	14	5
16	10	12	8	M6×1.0	15.5	6
20	12	14	10	M8×1.25	18.5	8
25	15	17.5	12	M10×1.25	22.5	10
32	20.5	23.5	16	M14×1.5	28.5	14
40	20.5	23.5	16	M14×1.5	28.5	14
50	26	28.5	20	M18×1.5	33.5	17
63	26	28.5	20	M18×1.5	33.5	17
80	32.5	35.5	25	M22×1.5	43.5	22
100	32.5	35.5	30	M26×1.5	43.5	27

CJP Series Needle Cylinder

Ordering Code



CJPB10-15

CJP

Series Code
CJPB: Panel
mount Type
CJPS: Invisible Type

10

Cylinder Bore
6mm-6mm
10mm-10mm
15mm-15mm

5

Stroke
0-30mm

B

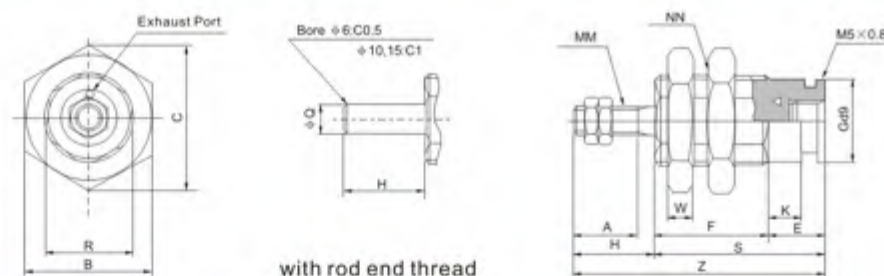
Thread Type
Blank: With Thread
B: No Thread

Specification

Bore(mm)	6	10	15
Working Medium	Air		
Motion Pattern	Double action / Single Action(Drawing-in Type)		
Ensured Pressure Resistance	10.5kgf/cm ² (1.05Mpa)		
Max.pressure	7kgf/cm ² (0.7Mpa)		
Min.pressure	2kgf/cm ² (0.2Mpa)	1.5kgf/cm ² (0.15Mpa)	
Operating Temperature Range	5~+60℃		
Buffering	NO		
Margin of Stroke Error(mm)	+1.0 0		
Port size	M5×0.8 Panel mount Type		

Overall Dimensions

Panel Mounting Style
CJPB



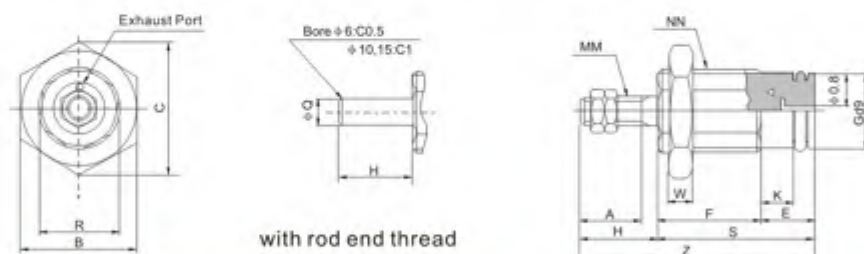
with rod end thread

St=(Stroke) mm

Bore(mm)	A	B	C	E	F			G	H	K	MM	NN	R	S			W	Z			Q
					5st	10st	15st							5st	10st	15st		5st	10st	15st	
6	7	12	13.9	6	12.5	19.5	26.5	8.5	9	3.5	M3×0.5	M10×1.0	9	18.5	22.5	32.5	3	27.5	34.5	41.5	3
10	10	19	22	6	14.5	21	28	12	12	3.5	M4×0.7	M15×1.5	13	20.5	27	34	4	32.5	39	46	5
15	12	27	31	7	16.5	22.5	29	19	14	4.2	M5×0.8	M22×1.5	20	23.5	29.5	36	5	37.5	43.5	50	6

Overall Dimensions

(Plug Mounting Style)CJPS



with rod end thread

Bore(mm)	A	B	C	E	F			G	H	K	MM	NN	R	S			W	Z			Q
					5st	10st	15st							5st	10st	15st		5st	10st	15st	
6	7	12	13.9	6	12.5	19.5	26.5	8.5	9	3.5	M3×0.5	M10×1.0	9	18.5	22.5	32.5	3	27.5	34.5	41.5	3
10	10	19	22	6	14.5	21	28	12	12	3.5	M4×0.7	M15×1.5	13	20.5	27	34	4	32.5	39	46	5
15	12	27	31	7	16.5	22.5	29	19	14	4.2	M5×0.8	M22×1.5	20	23.5	29.5	36	5	37.5	43.5	50	6

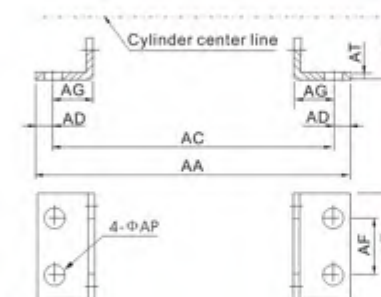
ISO 6431 Standard Cylinder Accessories



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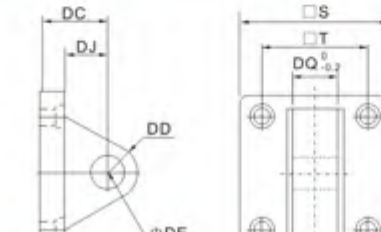
ISO-LB Type Foot Bracket



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



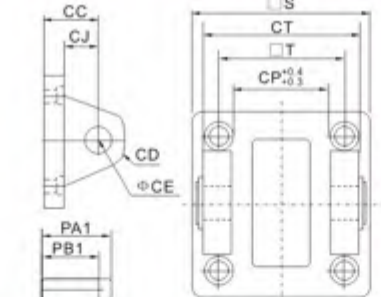
ISO-CA Type Single Earring



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



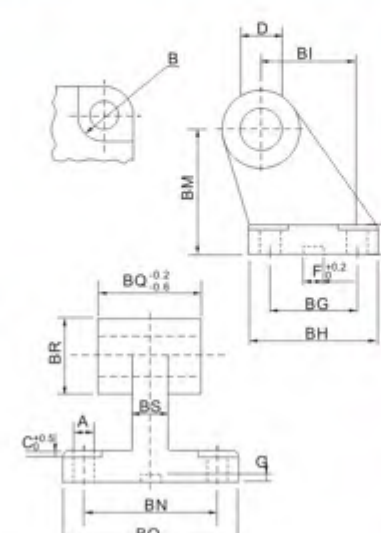
ISO-CB Type Double Earring



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

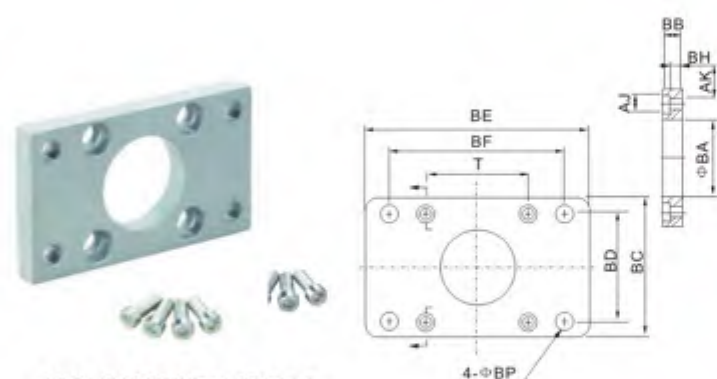


ISO-SDB Type



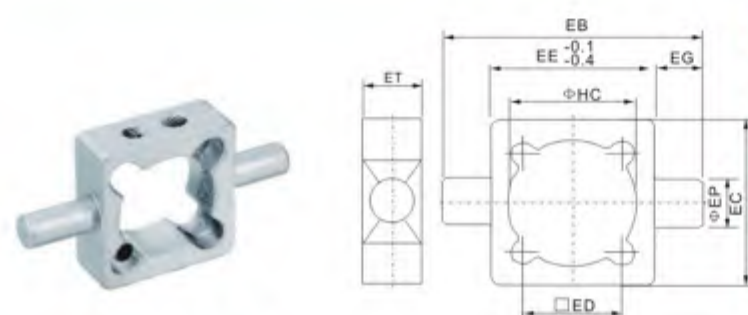
Symbol/Bore	32	40	50	63	80	100	125
A	6.6	6.6	9	9	11	11	14
B	11	11	15	15	18	18	20
BG	18	22	30	35	40	50	60
BH	31	35	45	50	60	70	90
BI	21	24	33	37	47	55	70
BL	8	10	12	14	14	17	20
BM	32	36	45	50	63	71	90
BN	38	41	50	52	66	76	94
BO	51	54	65	67	86	96	124
BS	10	15	16	16	20	20	30
BR	20	22	26	30	30	38	45
C	1.6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

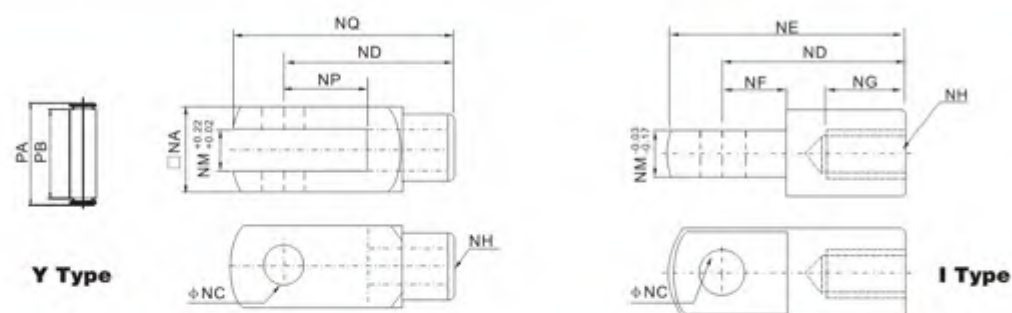


ISO-SI-TC

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



ISO-Y Joint



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

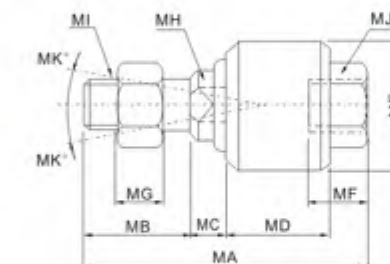


ISO-I Joint

ISO 6431 Standard Cylinder Accessories



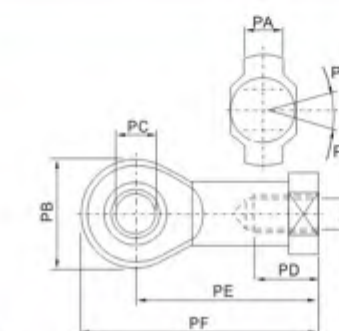
ISO-UJ Type Float Joint



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

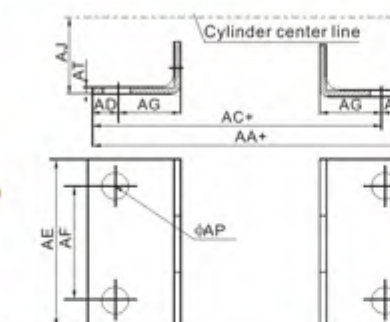


Symbol/Bore	PA	PB	PC	PD	PE	PF	PG	PH
32	11	26	10	21	43	56	M10×1.25	13
40	12	30	12	24	50	65	M12×1.25	13
50	15	38	16	33	64	83	M16×1.5	15
63	15	38	16	33	64	83	M16×1.5	15
80	18	46	20	40	77	100	M20×1.5	15
100	18	46	20	40	77	100	M20×1.5	15
125	37	70	30	51	110	145	M27×2.0	15
160	43	80	35	56	125	165	M36×2.0	16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

Standard Cylinder Accessories



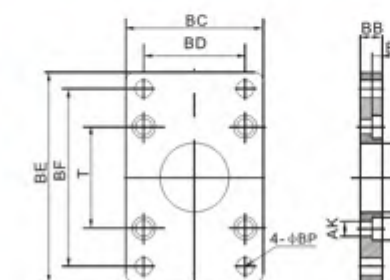
LB Type Foot Bracket



Symbol/Bore	32	40	50	63	80	100	125	160	200
AA	153	169	173	184	199	210	249	328	380
AC	134	140	149	158	167	174	213	288	320
AD	9.5	14.5	12	13	16	18	18	20	30
AE	50	57	68	80	97	112	140	180	220
AF	33	36	47	56	70	84	90	115	135
AG	20.5	23.5	28	31	30	30	45	60	70
AJ	28	30	36.5	41	49	57	90	115	135
AP	9	12	12	12	14	14	16	18	22
AT	3	3	3	3	4	4	8	8	10

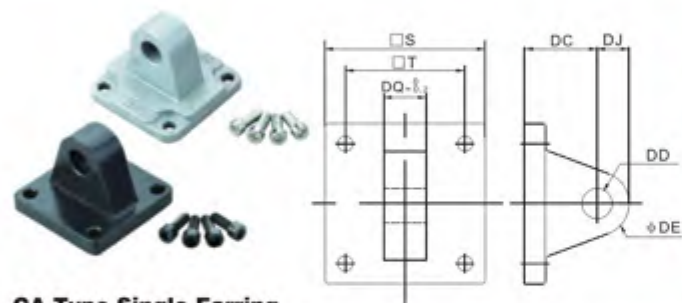


FA/FB Type Flange



Symbol/Bore	32	40	50	63	80	100	125	160	200
BA	28.3	32.3	38.3	38.3	47.3	47.3	56	63	81
BB	10	10	10	12	16	16	20	25	25
BC	47	52	65	76	95	115	140	180	220
BD	33	36	47	56	70	84	90	115	135
BE	72	84	104	116	143	162	224	280	320
BF	58	70	86	98	119	138	180	230	270
BH	6.5	6.5	6.5	8.5	10.5	10.5	15	20	20
AJ	10.5	10.5	13.5	13.5	5	5	19	25	25
AK	6.5	6.5	6.5	8.5	10.5	10.5	12.5	16.5	16.5
BP	7	7	9	9	11	11	16	18	22
T	33	37	47	56	70	84	110	140	175

Standard Cylinder Accessories



CA Type Single Earring

Symbol/Bore	32	40	50	63	80	100	125	160	200
S	48	50	62	75	94	112	140	180	220
T	33	37	47	56	70	84	110	140	175
DC	34	34	34	34	48	48	50	55	60
DD	14	14	15	15	20	20	25	30	30
DE	12	14	14	14	20	20	25	30	30
DJ	14	14	15	15	20	20	25	30	30
DQ	16	20	20	20	32	32	70	90	90

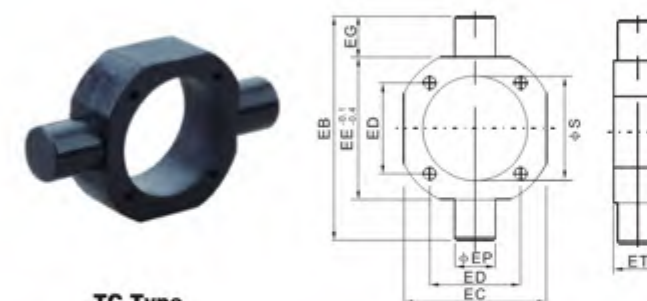


CB + Pin Type Double Earring

Symbol/Bore	32	40	50	63	80	100	125	160	200
CC	19	19	19	19	32	32	50	55	60
CD	5	5	3	2	8	8	25	30	30
CE	12	14	14	14	20	20	25	30	30
CJ	13	13	15	15	21	21	25	30	30
CP	16	20.5	20.3	20.3	32.3	32.3	70	90	90
CT	32	44	52	52	64	64	120	160	160
PAI	41	51.8	60.3	60.3	73.8	73.8	130	170	170
PBI	33.5	45.8	54	54	65.5	65.5	121.5	161.5	161.5
S	48	50	62	75	94	94	140	180	220
T	33	37	47	56	70	70	110	140	175

Note: CA and CB From 32-100, we can supply two kinds of materials products: 1. Iron 2. Aluminium. When placing order, please indicate product material. From 125-200 are all iron.

Standard Cylinder Accessories



TC Type

Symbol/Bore	40	50	63	80	100	125	160	200
EB	113	126	138	164	182	210	264	336
EC	63	76	88	114	132	160	200	240
ED	37	47	56	70	84	110	140	175
EE	63	76	88	114	132	160	200	240
EG	25	25	25	25	25	25	32	48
EP	25	25	25	25	25	25	32	37
ET	30	30	30	30	40	30	38	44
S	45.5	55.5	68.5	87.5	107.5	134.5	172.5	212.5



TC-M Type

Symbol/Bore	HA	HB	HC	HD	HE	HF	HI	HJ	HQ	HR	HT	HP
40	110	80	45.5	22	109	86	81.5	50	23	2	12	12
50	110	80	55.5	22	122	99	88	50	23	2	12	12
63	110	80	68.5	22	134	111	94	50	23	2	12	12
80	120	85	87.5	22	160	137	127	70	23	2	14	14
100	120	85	107.5	22	178	155	136	70	23	2	14	14

Mini Cylinder Accessories



M-UJ Type

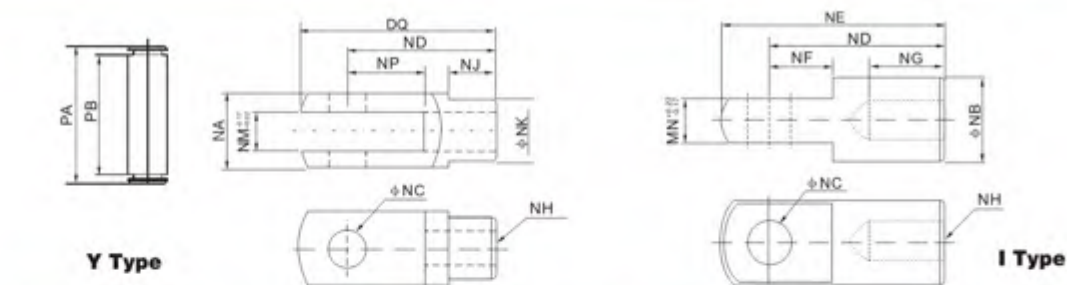
Symbol/Bore	MA	MB	MC	MD	ME	MG	MI	MJ	MK
20	51	20	6	17	8	M8×1.25	12	24	13
25	58	22	7	21	8	M10×1.25	12	26	17
32	58	22	7	21	8	M10×1.25	12	26	17
40	58	22	8	21	7	M12×1.25	12	28	19



M-PHS Type

Symbol/Bore	PA	PB	PC	PD	PE	PF	PG	PH	PI	PJ	PK	PL	PM
20	8	12	9	10.4	22	36	47	M8×1.25	17	16	12.5	5	14
25	10	14	11	12.9	26	43	56	M10×1.25	21	19	15	6.5	17
32	10	14	11	12.9	26	43	56	M10×1.25	21	19	15	6.5	17
40	12	16	12	15.4	30	50	65	M12×1.25	24	22	17.5	6.5	19

Y+Pin Type Joint



Y Type

I Type

Symbol/Bore	32	40	50	63	80	100	125	160	200
NA	19	25.4	32	32	44.4	44.4	55	80	80
NB	20	24	32	32	40	40	45	54	54
NC	10	12	16	16	20	20	25	30	30
ND	40	48	64	64	80	80	110	120	120
NE	52	67	89	89	112	112	155	130	130
NF	15	24	32	32	40	40	40	35	35
NG	20	20	23	23	30	30	56	50	50
NH	M10×1.25	M12×1.25	M16×1.5	M16×1.5	M20×1.5	M20×1.5	M27×2	M36×2	M36×2
NJ	12	20	22	22	30	30	30	40	40
NK	18	23	30	30	39	39	54	54	54
NM	10	12	16	16	20	20	48	40	40
MP	20	24	32	32	40	40	64	35	35
NQ	52	62	83	83	105	105	148	150	150
PA	25	32.8	39.3	39.3	53.3	53.3	64	91	91
PB	19.5	26.5	33	33	45	45	55	81	81

I Type Joint

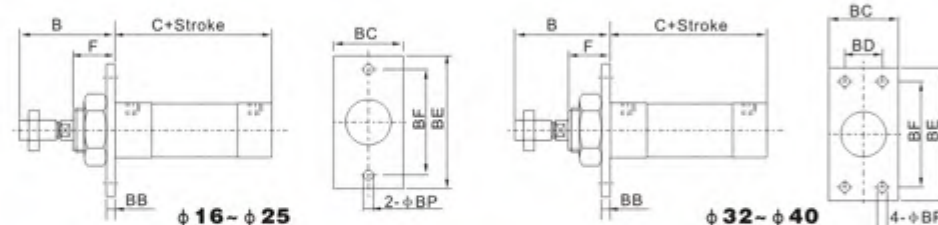


M-FA Type

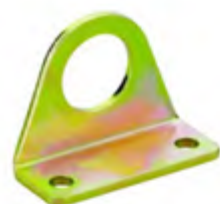


M-FA-A Type

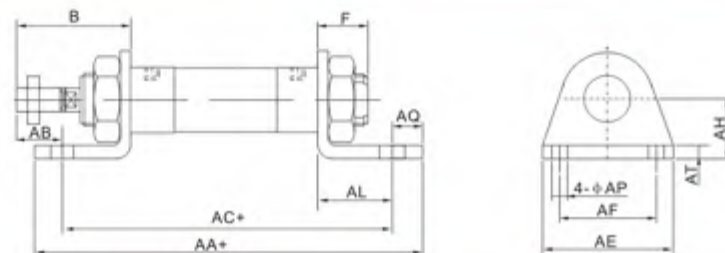
■ Our company can also provide this used for mini cylinder flange, if you need, pls add A after all ordering code, like M-FA-32-A



Symbol Bore	B	C		C(MSA Series)		C(MSAL Series)		BB	BC	BD	BE	BF	BP	F
		MA Series	MAL Series	0-50	51-100	0-50	51-100							
16	38	60	-	60	85	-	-	3	26	-	52	40	5.5	16
20	40	76	70	76	101	70	95	4	38	-	64	50	6.5	12
25	44	76	70	76	101	70	95	4	38	-	64	50	6.5	14
32	44	76	70	76	101	70	95	4	47	33	72	58	6.5	14
40	46	76	92	76	101	92	117	4	50	36	84	70	6.5	14



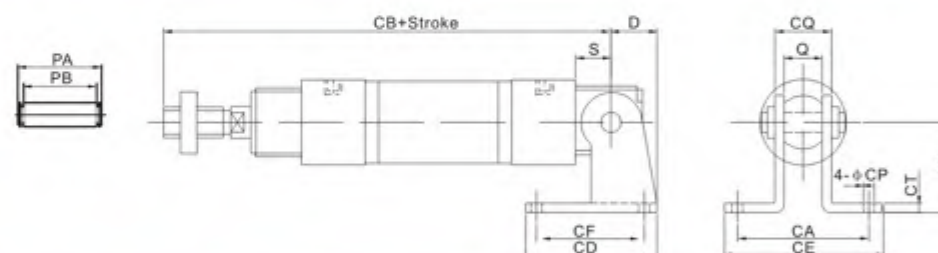
M-LB Type



Symbol	B		F	AA (MA Series)	AA (MAL Series)	AA(MSA Series)		AA(MSAL Series)		AB	AC (MA Series)	AC (MAL Series)	AC(MSA Series)		AC(MSAL Series)		AE	AF	AL	AQ	AP	AT	AH
Bore					0-50	51-100	0-50	51-100					0-50	51-100	0-50	51-100							
16	38	16	98	-	98	123	-	-	25	86	-	86	111	-	-	44	32	13	6	5.5	3	20	
20	40	12	122	116	122	147	116	141	25	106	100	106	131	100	125	54	40	15	8	6.5	3	25	
25	44	14	122	116	122	147	116	141	29	106	100	106	131	100	125	54	40	15	8	6.5	3	25	
32	44	14	142	136	142	167	136	161	19	126	120	126	151	120	145	59	45	25	8	6.5	4	32	
40	46	14	142	158	142	167	158	183	21	126	142	126	151	142	167	64	60	25	8	6.5	4.5	36	



M-SDB Type



Symbol	D	S	Q	CA	CB(MA Series)	CB(MAL Series)	CB (MSA Series)		CB (MSAL Series)		CD	CE	CF	CH	CT	CP	CQ	PA	PB
							0-50	51-100	0-50	51-100									
Bore																			
16	16	9	12	-	107	-	107	132	-	-	23	-	12	20	2.3	5.5	16.5	21	17
20	21	12	16	51	128	122	128	153	122	147	48	67	32	32	3	6.5	22	27	22.5
25	21	12	16	51	132	126	132	157	126	151	48	67	32	32	3	6.5	22	27	22.5
32	27	15	16	51	135	129	135	160	129	154	52	67	36	36	4	6.5	24	30	24.5
40	27	15	20	55	137	153	137	162	153	178	56	71	40	40	4	6.5	28	34	28.5

Mini Cylinder Accessories

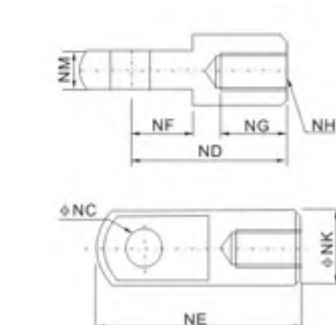
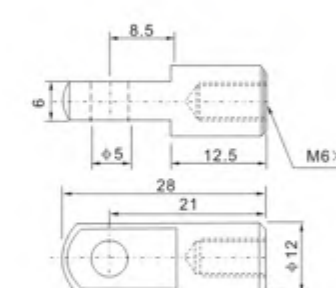
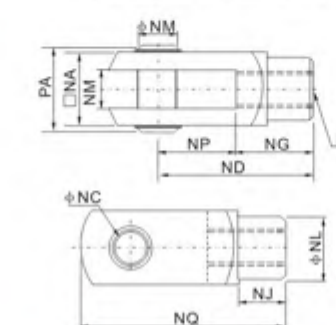
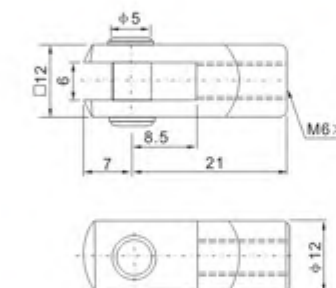


M-Y Joint

M-Y+Pin **M-Y+Clip**



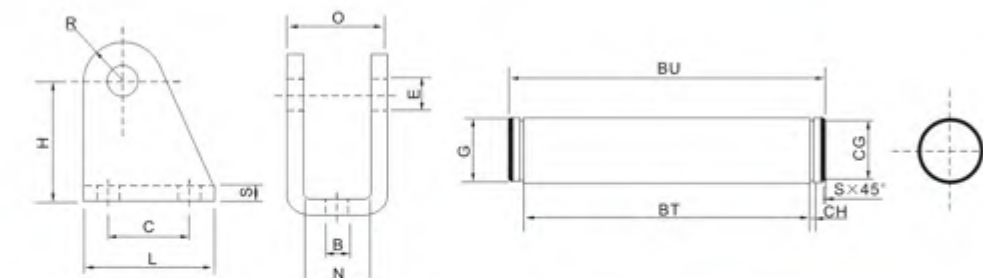
M-I Joint



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



M-U+Pin Joint

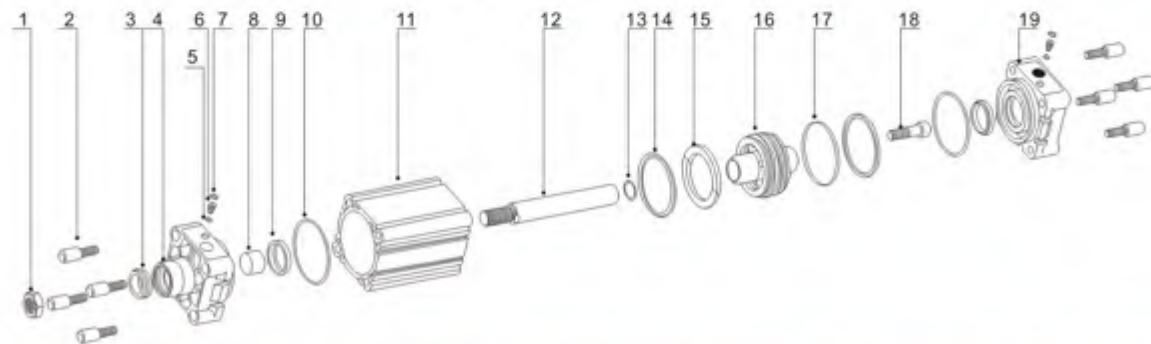


Symbol/Bore	B	E	C	H	L	N	O	R	S	G	BT	CG	CH	BU	S
8/10	4.5	4	12.5	24	20	8.1	13	5	2.5	4	14	3.7	0.5	17	0.2
12/16	5.5	6	15	27	25	13	18	7	3	6	19	5.6	0.8	24	0.4
20/25	6.6	8	20	29.5	32	16.1	24	10	4	8	25.2	7.5	0.9	29.5	0.5

Assembly kits for pneumatic cylinder

DNC Series Cylinder Kits

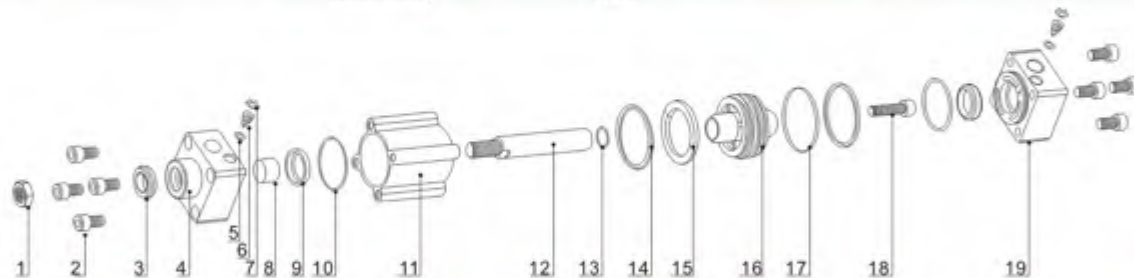
Product	Model/ Specification	Part name	Material	Part name	Material
	DNC Kits (ISO6431&V DMA24562) Bore size: φ 32,40, 50,63,80, 100,125	Front cover	Aluminum alloy	Piston seal	NBR
		Back cover	Aluminum alloy	Wear ring	PA66
		Piston	Aluminum alloy	Self lubricating bearing	PTFE+Brass
		Piston rod(Without)	S45C hard chrome carbon steel	Magnet(optional)	RbFeb
		Barrel(Without)	Hard anodized aluminum	Cushion needle	Brass
		Front Cover seal	PUR	Hexagon screw	Carbon steel
		Cushion seal	NBR	Nut	Carbon steel
		Piston rod O-ring	NBR	Profile bolt	Carbon steel
		Cover O-ring	NBR		



NO	Designation	NO	Designation	NO	Designation	NO	Designation	NO	Designation
1	Nut	5	O-ring	9	Cushion seal	13	Rod O-ring	17	Wear ring
2	Profile bolt	6	Adjustable screw	10	Cover O-ring	14	Piston seal	18	Hex Socket Screw
3	Front Cover seal	7	Block slip	11	Barrel(Without)	15	Magnet(optional)	19	Back cover
4	Front cover	8	Self Lubricating bearing	12	Piston rod(Without)	16	Piston		

SI Series Cylinder Kits

Product	Model/ Specification	Part name	Material	Part name	Material
	SI Kits (ISO6431) Bore size: φ 32,40,50, 63,80,100,125, 160,200	Front cover	Aluminum alloy	Piston seal	NBR
		Back cover	Aluminum alloy	Wear ring	PA66
		Piston	Aluminum alloy	Self lubricating bearing	PTFE+Brass
		Piston rod(Without)	S45C hard chrome carbon steel	Magnet(optional)	RbFeb
		Barrel(Without)	Hard anodized aluminum	Cushion needle	Brass
		Front Cover seal	NBR	Hexagon screw	Carbon steel
		Cushion seal	NBR	Nut	Carbon steel
		Piston rod O-ring	NBR	Profile bolt	Carbon steel
		Cover O-ring	NBR		



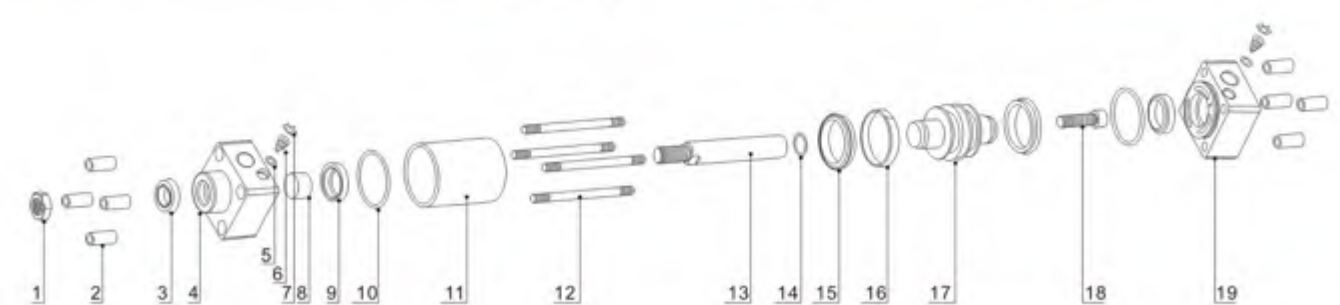
NO	Designation	NO	Designation	NO	Designation	NO	Designation	NO	Designation
1	Nut	5	O-ring	9	Cushion Seal	13	Rod O-ring	17	Wear ring
2	Profile bolt	6	Adjustable screw	10	Cover O-ring	14	Piston seal	18	Hex Socket screw
3	Front Cover seal	7	Block slip	11	Barrel(Without)	15	Magnet(optional)	19	Back cover
4	Front cover	8	Self Lubricating bearing	12	Piston rod(Without)	16	Piston		

Assembly kits for pneumatic cylinder



SC Series Cylinder Kits

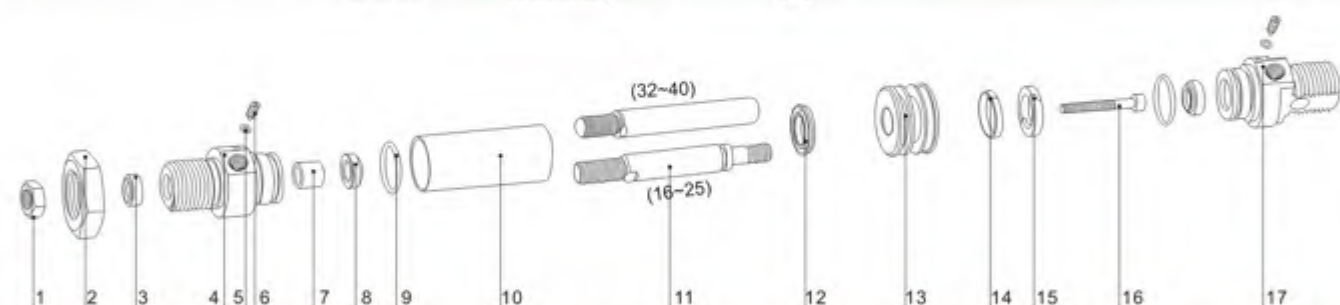
Product	Model/ Specification	Part name	Material	Part name	Material
	SC Kits Bore size: φ 32,40,50, 63,80,100,125, 160,200,	Front cover	Aluminum alloy	Piston seal	NBR
		Back cover	Aluminum alloy	Wear ring	PA66
		Piston	Aluminum alloy	Self lubricating bearing	PTFE+Brass
		Piston rod(Without)	S45C hard chrome carbon steel	Magnet(optional)	RbFeb
		Barrel(Without)	Hard anodized aluminum	Cushion needle	Brass
		Front Cover seal	NBR	Hexagon screw	Carbon steel
		Cushion seal	NBR	Nut	Carbon steel
		Piston rod O-ring	NBR	Tie-rod nut	Carbon steel
		Cover O-ring	NBR		



NO	Designation	NO	Designation	NO	Designation	NO	Designation	NO	Designation
1	Nut	5	O-ring	9	Cushion ring	13	Piston rod(Without)	17	Piston
2	Tie-rod nut	6	Adjustable screw	10	Cover O-ring	14	Rod O-ring	18	Hex Socket Screw
3	Front Cover seal	7	Block slip	11	Barrel(Without)	15	Piston seal	19	Back cover
4	Front cover	8	Self Lubricating bearing	12	Tie rod(Without)	16	Wear ring		

MA/MA6432 Series Cylinder Kits

Product	Model/ Specification	Part name	Material	Part name	Material
	MA Kits Bore size: φ 16,20,25,32,40 MA6432 Kits (ISO6432) Bore size: φ 8,10,12, 16,20,25	Front cover	Aluminum alloy	Piston seal	NBR
		Back cover	Aluminum alloy	Wear ring	PA66
		Piston	Aluminum alloy	Self lubricating bearing	PTFE+Brass
		Piston rod(Without)	S45C hard chrome carbon steel	Magnet(optional)	RbFeb
		Barrel(Without)	Stainless Steel	Cushion needle	Brass
		Front Cover seal	NBR	Hexagon screw	Carbon steel
		Cushion seal	NBR	Nut	Carbon steel
		Piston rod O-ring	NBR		
		Cover O-ring	NBR		

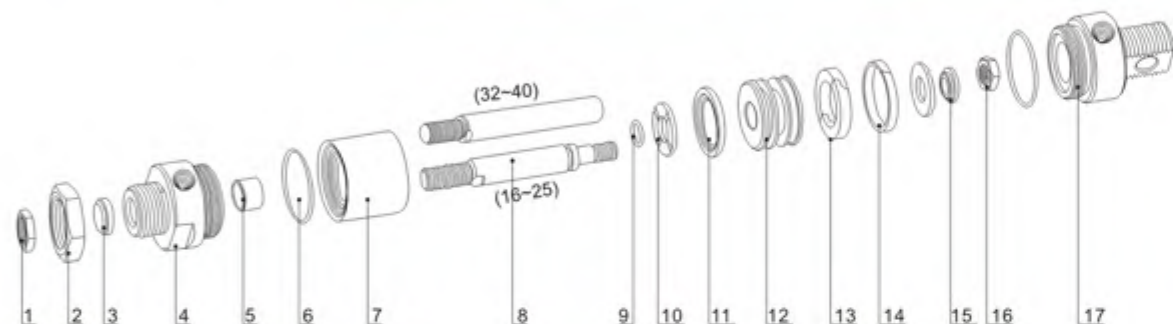


NO	Designation	NO	Designation	NO	Designation	NO	Designation	NO	Designation
1	Rod nut	5	O-ring	9	Cover O-ring	13	Piston	17	Back cover
2	Cover Nut	6	Adjustable screw	10	Barrel(Without)	14	Wear ring		
3	Front Cover seal	7	Self Lubricating bearing	11	Piston rod(Without)	15	Magnet(optional)		
4	Front cover	8	Cushion ring	12	Piston seal	16	Hexagon Screw		

Assembly kits for pneumatic cylinder

MAL Series Cylinder Kits

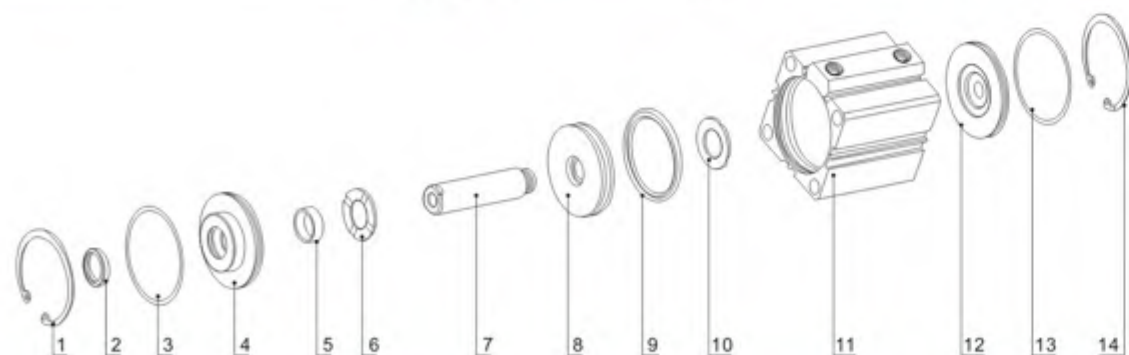
Product	Model/Specification	Part name	Material	Part name	Material
	MAL Kits Bore size: φ 16,20, 25,32,40	Front cover	Aluminum alloy	Piston seal	NBR
		Back cover	Aluminum alloy	Wear ring	PA66
		Piston	Aluminum alloy	Self lubricating bearing	PTFE+Brass
		Piston rod(Without)	S45C hard chrome carbon steel	Magnet(optional)	RbFeb
		Barrel(Without)	Hard anodized aluminum	Cushion needle	Brass
		Anti-bump cushion	NBR	Hexagon screw	Carbon steel
		Front Cover seal	NBR	Nut	Carbon steel
		Cover O-ring	NBR	Muffler	Cu



NO	Designation	NO	Designation	NO	Designation	NO	Designation	NO	Designation
1	Rod nut	5	Self Lubricating bearing	9	Rod O-ring	13	Magnet(optional)	17	Back cover
2	Cover Nut	6	Cover O-ring	10	Anti-bump cushion	14	Wear ring		
3	Front Cover seal	7	Barrel(Without)	11	Piston seal	15	Impact gasket		
4	Front cover	8	Piston rod(Without)	12	Piston	16	Nut		

SDA Series Cylinder Kits

Product	Model/Specification	Part name	Material	Part name	Material
	SDA Kits Bore size: φ 12,16,20, 25,32,40, 50,63,80,100	Front cover	Aluminum alloy	Piston seal	NBR
		Back cover	Aluminum alloy	Self lubricating bearing	PTFE+Brass
		Piston	Aluminum alloy	Magnet(optional)	RbFeb
		Piston rod(Without)	S45C hard chrome carbon steel	C type buckle	Steel
		Barrel(Without)	Hard anodized aluminum	Nut	Carbon steel
		Anti-bump cushion	NBR	Muffler	Cu
		Cover O-ring	NBR		



NO	Designation	NO	Designation	NO	Designation	NO	Designation	NO	Designation
1	C type buckle	4	Front cover	7	Piston rod(Without)	10	Anti-bump cushion	13	Cover O-ring
2	Front cover seal	5	Self Lubricating bearing	8	Piston	11	Barrel(Without)	14	C type buckle
3	Cover O-ring	6	Anti-bump cushion	9	Piston Seal	12	Back cover		

Assembly kits for pneumatic cylinder



Product	Model/Specification	Product
	MB Kits (Japan Standard) Bore size: φ 32,40, 50,63,80,100	DNG Kits(ISO15552) 
	ADVU Kits (ISO6431) Bore size: φ 16,20, 25,32,40,50, 63,80	Bore size: φ 160,200,250,320

Tube and piston rod for pneumatic cylinder

Product	Model/Specification	Product	Model/Specification
	SC, MAL Round Aluminum Tube Bore size: φ 16,20, 25,32,40,50,63, 80,100,125,160, 200,250,320		SI Mickey Mouse Aluminum Tube Bore size: φ 32,40,50, 63,80,100, 125,160,200
	DNC Square Aluminum Tube Bore size: φ 32,40,50, 63,80,100,125		SDA Aluminum Tube Bore size: φ 12,16,20,25, 32,40,50,63,80,100 Note: Normally we provide SDA un-oxidized aluminum tube, if you need that with oxide, pls be specified, because price is different.
	ADVU Aluminum Tube Bore size: φ 20, 25,32,40,50,63,80		MA, MA6432 Stainless Steel Tube (High precision) Bore size: φ 8,10,12, 16,20,25,32,40
	Piston rod (45# Steel Chrome-plated) Bore size: φ 6,8,10,12, 16,20,25,32,40,45, 50,60,70,etc.	Note: Our company can provide different diameters piston rods including stainless steel material's according to customers requirement.	