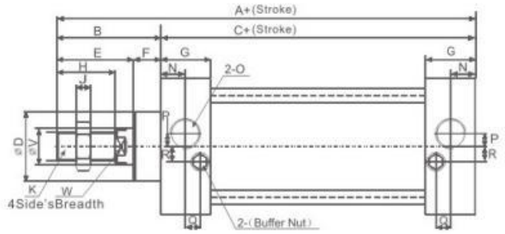
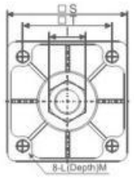
SC/SU Series Standard Cylinder

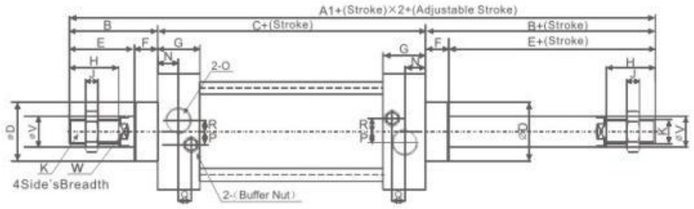
Overall Dimensions

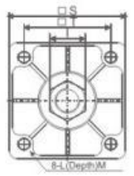
SC



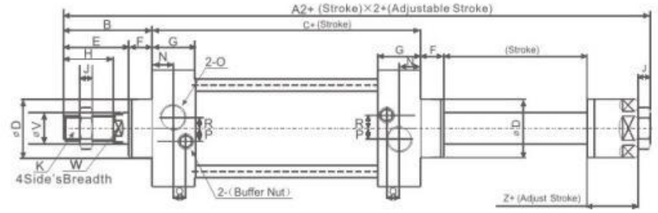


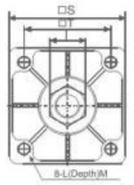
SCD





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	203	291	265.5	88	115	52	68	20	38	54	41	9	M27×2
160	239	352	332	113	126	62	88	25	38	72	55	16	M36×2
200	244	362	342	118	126	62	88	30	38	72	55	16	M36×2

NEW

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	16	20	G1/2"	14	6.5	14	136	104	32	27	42.5
160	M16×2	15	20	G3/4"	15	5	15	174	134	40	36	68
200	M16×2	15	20	G3/4"	15	3	15	214	163	40	36	68

NEW

MB Series Standard Cylinder(Japanese standard)

MB 50 × 100

Ordering Code

MB 50 × 50 — S — □

Series Code
Japanese stsndard
Double Action Type

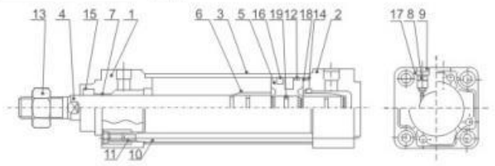
Cylinder Bore
32mm-100mm

Stroke

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	14	Buffer seal ring
5	Piston	10	Tie rod	15	Piston O-ring

Specifcation

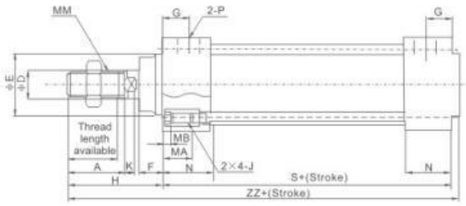
Cylinder diameter	32	40	50	63	80	100
Working Medium	Air					
Action type	Double acting					
Proof pressure	15.3kgf/cm²(1.5Mpa)					
Max.pressure	10.2kgf/cm²(1.0Mpa)					
Min.pressure	0.5kgf/cm²(0.05Mpa)					
Environment and fluid temp	-10~+60℃					
Piston veocity	50~1000mm/s					
Buffering	Air buffering					
Stroke tolerance	~0~250 $^{+1.0}_{0}$, 251~1000 $^{+1.4}_{0}$, 1001~1500 $^{+1.8}_{0}$					
Rc(PT)Joint size	G1/8"	G1/4"		G3/8"		G1/2"

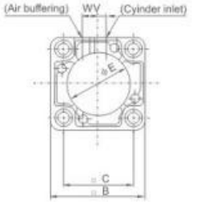
Stroke

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 ϕ32~ϕ200





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