


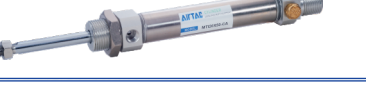




Mini cylinder(Stainless steel)——MI Series

In accordance with ISO6432 standard

Product series

Series name	Mounting type					Acting type	Bore size	Collocation of sensor switch						Meno	
	Basic	LB	FA	SDB	TC			CS1-M	DS1-M	CS1-F	DS1-F	CS1-U	DS1-U		
Double acting type: MI Double acting with adj. cushion: MIC 	●	●	●	●	●	Double acting Double acting (with adj. cushion)	8	●	●	●	●	●	●	The bore size of double acting with cushion type is $\Phi 16 \sim \Phi 40$	
Double rod type: MID, MICD 	●	●	●	●	●			10	●	●	●	●	●		●
Adjustable stroke type: MIJ, MICJ 	●	●	●	●	●	12	●		●	●	●	●	●		
Single acting type: MSI, MT1 	●	●	●	●	●		16	●	●	●	●	●	●		
	●	●	●	●	●	20		●	●	●	●	●	●		
	●	●	●	●	●		25	●	●	●	●	●	●		
	●	●	●	●	●	32		●	●	●	●	●	●		
	●	●	●	●	●		40	●	●	●	●	●	●		
	●	●	●	●	●	Single acting									
	●	●	●	●	●										
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MI

Installation and application

- When load changes in the work, the cylinder with abundant output capacity shall be selected.
- Relative cylinder with high temperature resistance or corrosion resistance shall be chosen under the condition of high temperature or corrosion.
- Necessary protection measure shall be taken in the environment with higher humidity, much dust or water drops, oil dust and welding dregs.
- Dirty substances in the pipe must be eliminated before cylinder is connected with pipeline to prevent the entrance of particles into the cylinder.
- The medium used by cylinder shall be filtered to 40 μ m or below.
- Anti-freezing measure shall be adopted under low temperature environment to prevent moisture freezing.
- The cylinder shall be carried out test run without load before application. Prior to run, buffer shall be turned to the minimum and gradually released to avoid the damage on cylinder caused by excessive impact.
- The cylinder shall avoid the influence of side load in operation to maintain the normal work of cylinder and extend the service life.
- If the cylinder is dismantled and stored for a long time, please conduct anti-rust treatment to the surface. Anti-dust caps shall be added in air inlet and outlet ports. The front and back cover can not be dismantled, which shall be especially noticed.

Criteria for selection: Cylinder thrust

Unit: Newton(N)

Bore size (mm)	Rod size (mm)	Acting type	Pressure area (mm ²)	Operating pressure(MPa)							
				0.1	0.2	0.3	0.4	0.5	0.6	0.7	
8	4	Single acting	Push side	50.2	-	3.6	8.6	13.6	18.6	23.6	28.7
			Pull side	37.7	-	1.0	4.8	8.6	12.3	16.1	19.9
		Double acting	Push side	50.2	5.0	10.1	15.1	20.1	25.1	30.1	35.2
			Pull side	37.7	3.7	7.5	11.3	15.1	18.8	22.6	26.4
10	4	Single acting	Push side	78.5	-	5.9	13.8	21.6	29.5	37.3	45.2
			Pull side	65.9	-	3.4	10.0	16.6	23.2	29.8	36.4
		Double acting	Push side	78.5	7.9	15.7	23.6	31.4	39.3	47.1	55.0
			Pull side	65.9	6.6	13.2	19.8	26.4	33.0	39.5	46.1
12	6	Single acting	Push side	113.0	-	10.1	21.4	32.7	44.0	55.3	66.6
			Pull side	84.8	-	4.5	12.9	21.4	29.9	38.4	46.9
		Double acting	Push side	113.0	11.3	22.6	33.9	45.2	56.5	67.8	79.1
			Pull side	84.8	8.5	17.0	25.4	33.9	42.4	50.9	59.4
16	6	Single acting	Push side	201.0	-	14.6	34.7	54.8	74.9	95.0	115.1
			Pull side	172.7	-	8.9	26.2	43.5	60.8	78.0	95.3
		Double acting	Push side	201.0	20.1	40.2	60.3	80.4	100.5	120.6	140.7
			Pull side	172.7	17.3	34.5	51.8	69.1	86.4	103.6	120.9
20	8	Single acting	Push side	314.0	-	25.3	56.7	88.1	119.5	150.9	182.3
			Pull side	263.8	-	15.3	41.6	68.0	94.4	120.8	147.1
		Double acting	Push side	314.0	31.4	62.8	94.2	125.6	157.0	188.4	219.8
			Pull side	263.8	26.4	52.8	79.1	105.5	131.9	158.3	184.7
25	10	Single acting	Push side	490.6	-	43.1	92.2	141.3	190.3	239.3	288.4
			Pull side	412.1	-	27.4	68.6	109.8	151.1	192.3	233.5
		Double acting	Push side	490.6	49.1	98.1	147.2	196.2	245.3	294.4	343.4
			Pull side	412.1	41.2	82.4	123.6	164.8	206.1	247.3	288.5
32	12	Single acting	Push side	804.3	30.2	110.9	191.3	277.1	352.1	432.6	513.0
			Pull side	691.2	19.1	88.2	157.4	226.5	295.6	364.7	388.8
		Double acting	Push side	804.3	80.4	160.9	241.3	321.7	402.2	482.6	563.0
			Pull side	691.2	69.1	138.2	207.4	276.5	345.6	414.7	483.8
40	16	Single acting	Push side	1256.6	64.7	190.3	316.0	441.7	567.3	693.0	818.7
			Pull side	1055.6	44.6	150.1	255.7	361.2	466.8	572.4	677.9
		Double acting	Push side	1256.6	125.7	251.3	377.0	502.6	628.3	754.0	879.6
			Pull side	1055.6	105.6	211.1	316.7	422.2	527.8	633.4	738.9



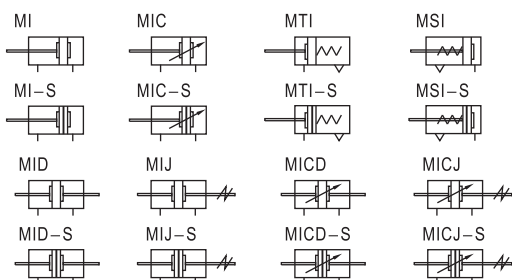
Mini cylinder(Stainless steel, ISO6432)



MI Series



Symbol



Product feature

- In accordance with ISO6432 standard ($\Phi 8 \sim \Phi 25$).
- Front and back cover owns fixed bumper pad which can reduce the impact of direction-change of the cylinder.
- There are several mode of back cover, which makes the installation of cylinder more convenient.
- Front and back cover and stainless steel block adopt riveted rolling packed structure to form a reliable connection.
- Piston rod and cylinder body with the material of stainless steel make the cylinder adapt general working environment with corrosivity.
- There are cylinders and accessories with several specifications for installation for your choice.

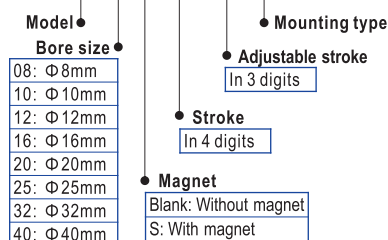
Ordering code

Model can to be changed Ordering code. Example:

Production type: MIJ
Bore size: 16mm
Stroke: 100mm
Adjustable stroke: 50mm
Magnet: With magnet
Mounting type: TC

Model: MIJ-16 x 100-50-S-TC

Ordering code: MIJ 16 S 0100 050 TC



Specification

Bore size(mm)	8	10	12	16	20	25	32	40
Acting type	Double acting, Single acting_push, Single acting_pull							
	Double acting with cushion							
Fluid	Air(to be filtered by 40 μ m filter element)							
Operating pressure	Double acting: 0.1~1.0MPa(15~145psi)(1.0~10.0bar) Single acting: 0.2~1.0MPa(28~145psi)(2.0~10.0bar)							
Proof pressure	1.5MPa(215psi)(15bar)							
Temperature $^{\circ}$ C	-20~70							
Speed range mm/s	Double acting: 30~800 Single acting: 50~800							
Stroke tolerance	0~150 ^{+1.0} ₀ >150 ^{+1.4} ₀							
Cushion type	MIC Series: Variable cushion Other series: Bumper							
Port size ①	M5 x 0.8				1/8"		1/4"	

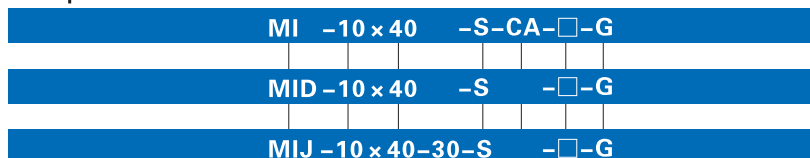
① G thread is available. Add) Refer to P403-426 for detail of sensor switch.

Stroke

Bore size (mm)	Standard stroke (mm)													Max. std stroke	Max. stroke						
	8	10	12	16	20	25	30	40	50	60	75	80	100			125	150				
Double acting	-	10	15	20	25	30	40	50	60	75	80	100	125	150	150	200					
	10	10	15	20	25	30	40	50	60	75	80	100	125	150	160	175	200	200	200		
	12	10	15	20	25	30	40	50	60	75	80	100	125	150	160	175	200	250	250	500	
	16	10	15	20	25	30	40	50	60	75	80	100	125	150	160	175	200	250	300	300	500
	20	10	15	20	25	30	40	50	60	75	80	100	125	150	160	175	200	250	300	500	700
Double acting with cushion	25	10	15	20	25	30	40	50	60	75	80	100	125	150	160	175	200	250	300	600	700
	32	350	400	450	500	600	600	700	600	700	600	700	600	700	600	700	600	700	600	700	
	40	600	700	600	700	600	700	600	700	600	700	600	700	600	700	600	700	600	700		
	8	10	15	20	25	30	40	50	-	-	-	-	-	-	-	-	-	-	-	-	
	10	10	15	20	25	30	40	50	-	-	-	-	-	-	-	-	-	-	-	-	
	12	10	15	20	25	30	40	50	-	-	-	-	-	-	-	-	-	-	-	-	
	16	10	15	20	25	30	40	50	60	75	80	100	-	-	-	-	-	-	-	-	
	20	10	15	20	25	30	40	50	60	75	80	100	125	150	-	-	-	-	-	-	
25	10	15	20	25	30	40	50	60	75	80	100	125	150	-	-	-	-	-	-		
32	10	15	20	25	30	40	50	60	75	80	100	125	150	-	-	-	-	-	-		
40	10	15	20	25	30	40	50	60	75	80	100	125	150	-	-	-	-	-	-		

Note) Consult us for non-standard stroke.

Explain of model



Model

MI: Mini cylinder(Double acting)
MSI: Mini cylinder(Single acting_push)
MTI: Mini cylinder(Single acting_pull)
MID: Mini cylinder(Double rod)
MIJ: Mini cylinder(Adjustable stroke)
MIC: Mini cylinder(Double acting with cushion)
MICD: Mini cylinder(Double rod with cushion)
MICJ: Mini cylinder (Adjustable stroke with cushion)

Bore size

Model	Bore size
MIC, MICD, MICJ	16 20 25 32 40
Others	8 10 12 16 20 25 32 40

Stroke

Refer to stroke table for details

Adjustable stroke

Model	Adjustable stroke
MIJ MICJ	10: 10mm
	20: 20mm
	30: 30mm
	40: 40mm
	50: 50mm
	75: 75mm
100: 100mm	
Others	No this code

Thread type

G: G ②

①

Mounting type

Model	Mounting type
MI	Blank: No accessories
MIC	FA: FA type
MSI	SDB: SDB type
MTI	LB: LB type
	TC: TC type
MID	Blank: No accessories
MICD	FA: FA type
MIJ	LB: LB type
MICJ	TC: TC type

Back cover

Model	Back cover	Bore size
MI MSI MTI	CA: Pivot type	$\Phi 8 \sim \Phi 25$
	U: Perpendicular 90 $^{\circ}$	$\Phi 8 \sim \Phi 40$
	R: Axial air-in	$\Phi 16 \sim \Phi 40$
MIC	CM: Round-end type	$\Phi 16 \sim \Phi 40$
	CA: Pivot type	$\Phi 16 \sim \Phi 25$
	U: Perpendicular 90 $^{\circ}$	$\Phi 16 \sim \Phi 40$
Others	CM: Round-end type	$\Phi 16 \sim \Phi 40$
Others	No this code	

Magnet

Blank: Without magnet
S: With magnet

① Please refer to page 231 for accessory parts.

② MI Series are all G thread. PT thread, NPT thread are unavailable.



Mini cylinder(Stainless steel, ISO6432)

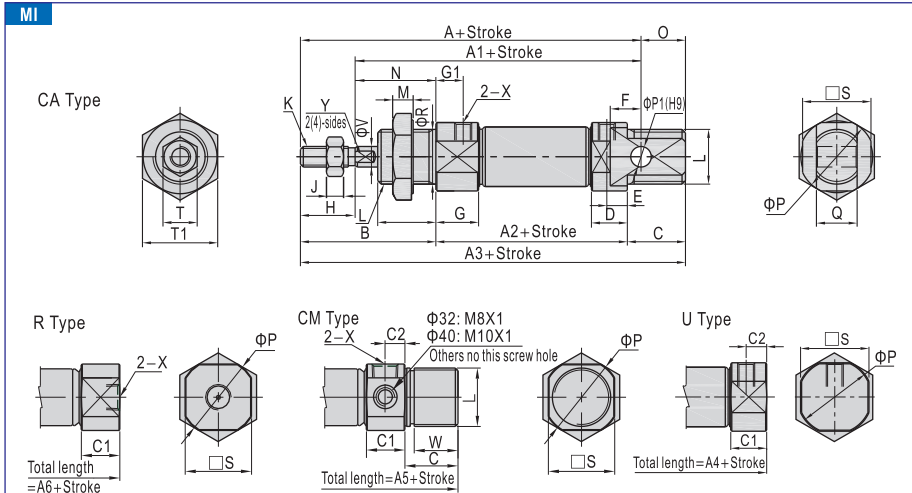


MI Series

Inner structure and material of major parts

NO.	Item	Material
1	Rod	SUS304
2	Rod nut	Carbon steel
3	Front cover packing	NBR
4	Front cover nut	Carbon steel
5	Bushing	Wear resistant material
6	Front cover	Aluminum alloy
7	Barrel	SUS304
8	Bumper	TPU
9	Piston	Φ8~Φ12: SUS304 Others: Aluminum alloy
10	Piston seal	NBR
11	Wear ring	Wear resistant material
12	Nut	Carbon steel
13	Back cover	Aluminum alloy

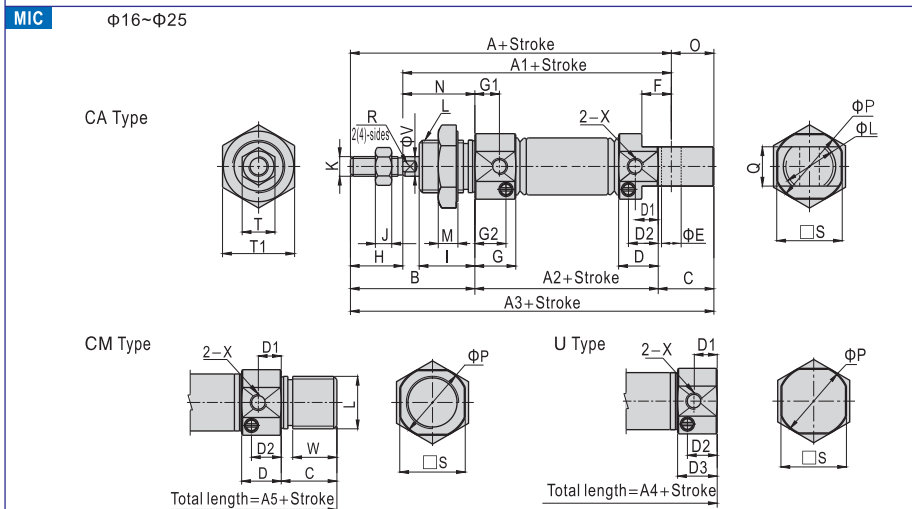
Dimensions



Bore size\Item	A	A1	A2	A3	A4	A5	A6	B	C	C1	C2	D	E	F	G	G1	H	I	J
8	76	64	46	86	74	-	-	28	12	9.5	5	9.5	5	6	11.5	7	12	12	2.2
10	76	64	46	86	74	-	-	28	12	9.5	5	9.5	5	6	11.5	7	12	12	2.2
12	91	75	50	105	88	-	-	38	17	10.5	6	10.5	6	9	12.5	8	16	17	5
16	98	82	56	111	94	111	94	38	17	10.5	6	10.5	6	9	12.5	8	16	17	5
20	115	95	62	126	106	126	106	44	20	14.5	7.5	14.5	7.5	12	14.5	7.5	20	20	6
25	126	104	65	137	114.5	137	115	50	22	16	8	16	8	12	16	8	22	22	6
32	-	-	-	-	125	140	126	58	14	16.5	9	-	-	-	16.5	9	20	30	6
40	-	-	-	-	158	174	158	69	16	22	12	-	-	-	22	12	24	35	7

Bore size\Item	K	L	M	N	O	P	P1	Q	R	S	T	T1	X	V	W	Y
8	M4 × 0.7	M12 × 1.25	6	16	10	17	4	8	12	15	7	17	M5 × 0.8	4	-	-
10	M4 × 0.7	M12 × 1.25	6	16	10	17	4	8	12	15	7	17	M5 × 0.8	4	-	-
12	M6 × 1.0	M16 × 1.5	6	22	14	20	6	12	16	18	10	22	M5 × 0.8	6	-	5
16	M6 × 1.0	M16 × 1.5	6	22	13	22	6	12	16	20	10	22	M5 × 0.8	6	13.5	5
20	M8 × 1.25	M22 × 1.5	7	24	11	29	8	16	22	25	12	29	1/8"	8	16.5	6
25	M10 × 1.25	M22 × 1.5	7	28	11	33.5	8	16	22	30	17	29	1/8"	10	18.5	8
32	M10 × 1.25	M30 × 1.5	7	38	-	37.5	-	30	34.5	17	36	1/8"	12	10.5	10	
40	M12 × 1.25	M38 × 1.5	8	45	-	46.5	-	38	42.5	17	46	1/4"	16	12.5	14	

Remark: The dimensions of magnet type cylinder are the same as non-magnet type cylinder.



Bore size\Item	A	A1	A2	A3	A4	A5	B	C	D	D1	D2	D3	E	F	G	G1	G2	H	I	J
16	98	82	56	111	94	111	38	17	12.1	7	9	12.1	6	9	12.5	7.5	9.5	16	17	5
20	115	95	62	126	106	126	44	20	14.5	7.5	10.5	14.5	8	12	14.5	7.5	10.5	20	20	6
25	126	104	65	137	113.5	137	50	22	16	8	10.5	14.5	8	12	16	8	12	22	22	6

Bore size\Item	K	L	M	N	O	P	Q	R	S	T	T1	X	V	W
16	M6 × 1.0	M16 × 1.5	6	22	13	22	12	5	20	10	22	M5 × 0.8	6	13.5
20	M8 × 1.25	M22 × 1.5	7	24	11	29	16	6	25	12	29	1/8"	8	16.5
25	M10 × 1.25	M22 × 1.5	7	28	11	33.5	16	8	30	17	29	1/8"	10	18.5

Remark: The dimensions of magnet type cylinder are the same as non-magnet type cylinder.

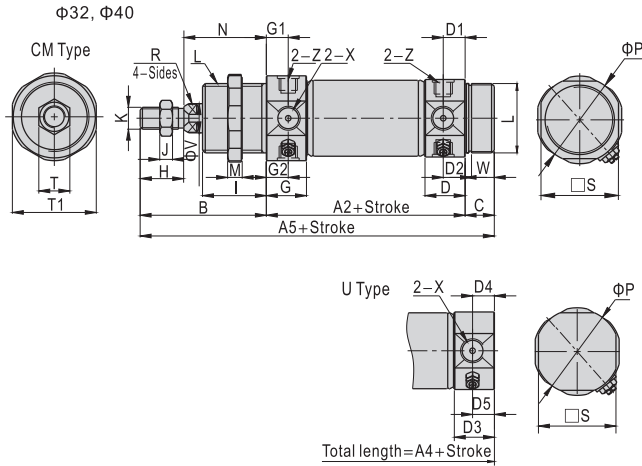


Mini cylinder(Stainless steel, ISO6432)



MI Series

MIC



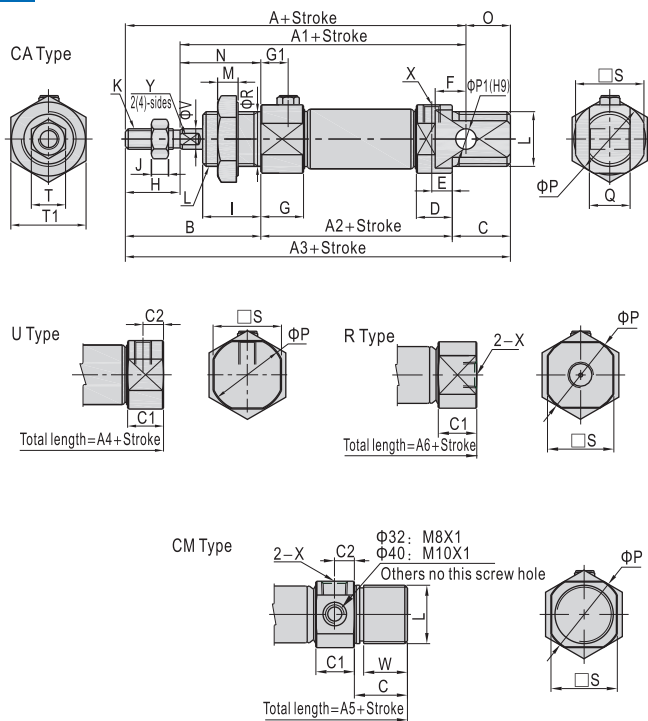
Bore size\Item	A2	A4	A5	B	C	D	D1	D2	D3	D4	D5
32	68	124	140	58	14	16.5	9	11.5	14.5	7.5	11
40	89	157.5	174	69	16	22	12	12	21.5	11.5	14

Bore size\Item	G	G1	G2	H	I	J	K	L	M
32	16.5	9	11.8	20	30	6	M10 × 1.25	M30 × 1.5	7
40	22	12	12	24	35	7	M12 × 1.25	M38 × 1.5	8

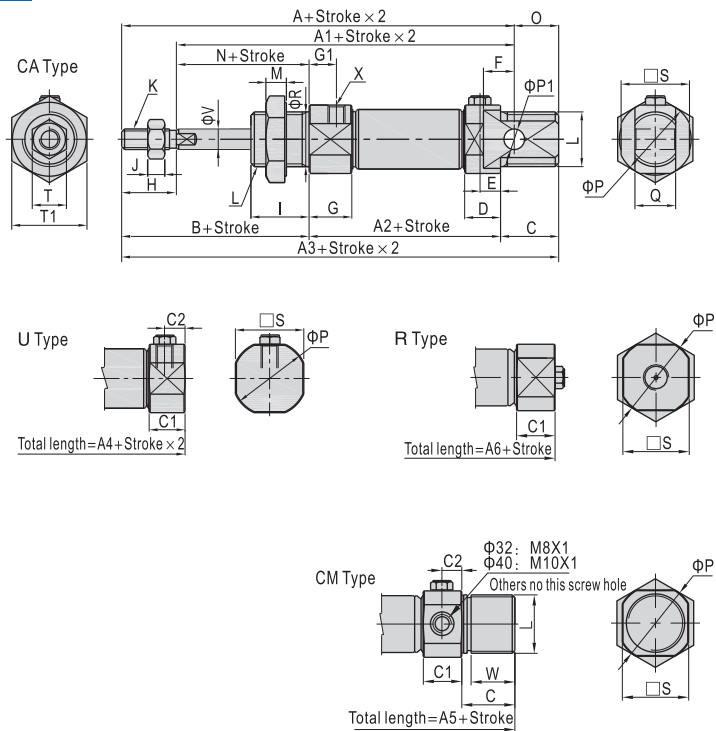
Bore size\Item	N	P	S	T	T1	V	W	X
32	38	37.5	34.5	17	36	12	10.5	1/8"
40	45	46.5	42.5	17	46	16	12.5	1/4"

Remark: The dimensions of magnet type cylinder are the same as non-magnet type cylinder.

MSI



MTI



Bore size\Item	A			A1			A2			A3			A4			A5			A6			
	0-50	51-100	101-150	0-50	51-100	101-150	0-50	51-100	101-150	0-50	51-100	101-150	0-50	51-100	101-150	0-50	51-100	101-150	0-50	51-100	101-150	
8	101	-	-	89	-	-	71	-	-	111	-	-	99	-	-	-	-	-	-	-	-	-
10	101	-	-	89	-	-	71	-	-	111	-	-	99	-	-	-	-	-	-	-	-	-
12	116	-	-	100	-	-	75	-	-	130	-	-	113	-	-	-	-	-	-	-	-	-
16	123	148	-	107	132	-	81	106	-	136	161	-	119	144	-	136	161	-	119	144	-	-
20	140	165	190	120	145	170	87	112	137	151	176	201	131	156	181	151	176	201	131	156	181	-
25	151	176	201	129	154	179	90	115	140	162	187	212	139.5	164.5	189.5	162	187	212	140	165	190	-
32	-	-	-	-	-	-	-	-	-	-	-	-	-	150	175	200	165	190	215	151	176	201
40	-	-	-	-	-	-	-	-	-	-	-	-	-	183	208	233	199	224	249	183	208	233

Bore size\Item	B	C	C1	C2	D	E	F	G	G1	H	I	J	K	L	M	N	O	P	P1	Q	R	S	T	T1	X	V	W	Y
	8	28	12	9.5	5	9.5	5	6	11.5	7	12	12	2.2	M4 × 0.7	M12 × 1.25	6	16	10	17	4	8	12	15	7	17	M5 × 0.8	4	-
10	28	12	9.5	5	9.5	5	6	11.5	7	12	12	2.2	M4 × 0.7	M12 × 1.25	6	16	10	17	4	8	12	15	7	17	M5 × 0.8	4	-	-
12	38	17	10.5	6	10.5	6	9	12.5	8	16	17	5	M6 × 1.0	M16 × 1.5	6	22	14	20	6	12	16	18	10	22	M5 × 0.8	6	-	5
16	38	17	10.5	6	10.5	6	9	12.5	8	16	17	5	M6 × 1.0	M16 × 1.5	6	22	13	22	6	12	16	20	10	22	M5 × 0.8	6	13.5	5
20	44	20	14.5	7.5	14.5	7.5	12	14.5	7.5	20	20	6	M8 × 1.25	M22 × 1.5	7	24	11	29	8	16	22	25	12	29	1/8"	8	16.5	6
25	50	22	16	8	16	8	12	16	8	22	22	6	M10 × 1.25	M22 × 1.5	7	28	11	33.5	8	16	22	30	17	29	1/8"	10	18.5	8
32	58	14	16.5	9	-	-	-	16.5	9	20	30	6	M10 × 1.25	M30 × 1.5	7	38	-	37.5	-	-	30	34.5	17	36	1/8"	12	10.5	10
40	69	16	22	12	-	-	-	22	12	24	35	7	M12 × 1.25	M38 × 1.5	8	45	-	46.5	-	-	38	42.5	17	46	1/4"	16	12.5	14

Remark: The dimensions of magnet type cylinder are the same as non-magnet type cylinder.

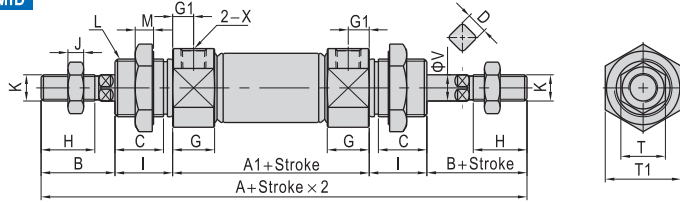


Mini cylinder(Stainless steel, ISO6432)

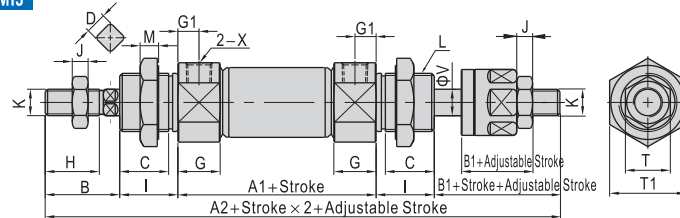


MI Series

MID



MIJ

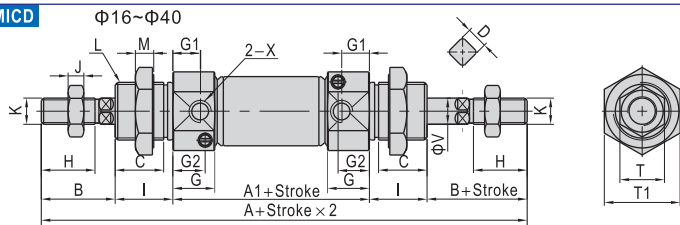


Bore size\Item	A	A1	A2	B	B1	C	D	G	G1	H	I	J
8	104	48	102.7	16	14.7	9.5	-	11.5	7	10.5	12	2.2
10	104	48	102.7	16	14.7	9.5	-	11.5	7	10.5	12	2.2
12	128	52	128	21	21	14.5	5(2-Sides)	12.5	8	14	17	5
16	134	58	134	21	21	13.5	5(2-Sides)	12.5	8	14.5	17	5
20	150	62	151	24	25	16.5	6(2-Sides)	14.5	7.5	18	20	6
25	165	65	164	28	27	18.5	8(4-Sides)	16	8	20.5	22	6
32	184	68	183	28	27	26.5	10(4-Sides)	16.5	9	17.5	30	6
40	227	89	221	34	28	31.5	14(4-Sides)	22	12	21	35	7

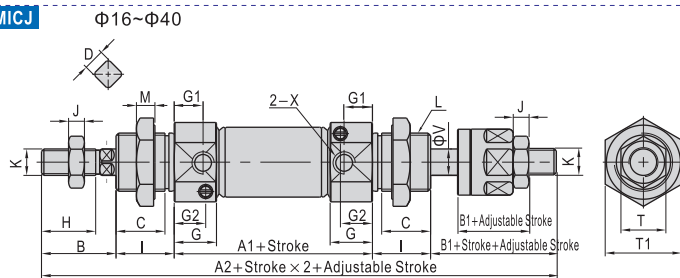
Bore size\Item	K	L	M	T	T1	X	V
8	M4 × 0.7	M12 × 1.25	6	7	17	M5 × 0.8	4
10	M4 × 0.7	M12 × 1.25	6	7	17	M5 × 0.8	4
12	M6 × 1.0	M16 × 1.5	6	10	22	M5 × 0.8	6
16	M6 × 1.0	M16 × 1.5	6	10	22	M5 × 0.8	6
20	M8 × 1.25	M22 × 1.5	7	12	29	1/8"	8
25	M10 × 1.25	M22 × 1.5	7	17	29	1/8"	10
32	M10 × 1.25	M30 × 1.5	7	17	36	1/8"	12
40	M12 × 1.25	M38 × 1.5	8	17	46	1/4"	16

Remark: The dimensions of magnet type cylinder are the same as non-magnet type cylinder.

MICD



MICJ

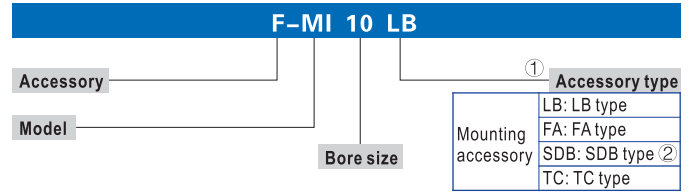


Bore size\Item	A	A1	A2	B	B1	C	D	G	G1	G2	H
16	132.4	56.4	132.4	21	21	13.5	5(2-Sides)	12.5	7.5	9.5	14.5
20	150	62	151	24	25	16.5	6(2-Sides)	14.5	7.5	10.5	18
25	165	65	164	28	27	18.5	8(4-Sides)	16	8	12	20.5
32	184	68	183	28	27	26.5	10(4-Sides)	16.5	9	11.8	17.5
40	227	89	221	34	28	31.5	14(4-Sides)	22	12	12	21

Bore size\Item	I	J	K	L	M	T	T1	X	V
16	17	5	M6 × 1.0	M16 × 1.5	6	10	22	M5 × 0.8	6
20	20	6	M8 × 1.25	M22 × 1.5	7	12	29	1/8"	8
25	22	6	M10 × 1.25	M22 × 1.5	7	17	29	1/8"	10
32	30	6	M10 × 1.25	M30 × 1.5	7	17	36	1/8"	12
40	35	7	M12 × 1.25	M38 × 1.5	8	17	46	1/4"	16

Remark: The dimensions of magnet type cylinder are the same as non-magnet type cylinder.

Ordering code



- ① Please refer to accessory list for selection and ordering information.
- ② SDB is attached with relevant PIN.

Accessory selection

Cylinder model	MI, MIC		MSI, MTI		MID, MICD, MIJ, MICJ	
	Standard	With magnet	Standard	With magnet	Standard	With magnet
Accessories						
Mounting accessory	LB	●	●	●	●	●
	FA	●	●	●	●	●
	SDB	●	●	●	●	×
	TC	●	●	●	●	×
Knuckle	I	●	●	●	●	●
	Y	●	●	●	●	●
	U	●	●	●	●	●
	F	●	●	●	●	●
Sensor switch	CS1-M	×	●	×	●	×
	DS1-M	×	●	×	●	×
	CS1-F	×	●	×	●	×
	DS1-F	×	●	×	●	×
	CS1-U	×	●	×	●	×
	DS1-U	×	●	×	●	×

- ① Please refer to P397~402 for knuckle detail.
- ② Please refer to P403~426 for detail of sensor switch.

Material of accessories

Bore size	Accessories				Mounting accessories				Knuckle			
	LB	FA	SDB	TC	I	Y	F	U	I	Y	F	U
8-40	△	△	△	▲	□	□	□	□	□	□	□	□

▲ — SUS304, △ — SPCC, □ — Carbon steel.

List for ordering code of accessories

Bore size	Accessories				Mounting accessory			
	LB	FA	SDB	TC	SDB	TC	SDB	TC
8	F-MI8LB	F-MI8FA	F-MI8SDB	F-MI8TC				
10								
12	F-MI12LB	F-MI12FA	F-MI12SDB	F-MI12TC				
16								
20	F-MI20LB	F-MI20FA	F-MI20SDB	F-MI20TC				
25								
32	F-MI32LB	-	F-MI32SDB	F-MI32TC				
40	F-MI40LB	-	F-MI40SDB	F-MI40TC				

Bore size	Accessories				Knuckle			
	I: I Knuckle	Y: Y Knuckle	F: F Knuckle	U: U Knuckle	I: I Knuckle	Y: Y Knuckle	F: F Knuckle	U: U Knuckle
8	F-M04070II	F-M04070YE	F-M04070F	F-M04070U				
10								
12	F-M06100II	F-M06100YE	F-M06100F	F-M06100U				
16								
20	F-M08125II	F-M08125YE	F-M08125F	F-M08125U				
25	F-M10125II	F-M10125YE	F-M10125F	F-M10125U				
32		F-M10125YI						
40	F-M12125II	F-M12125YI	F-M12125F	F-M12125U				

Bore size	Accessories							
	CS1-M		DS1-M		CS1-F		DS1-F	
8	CS1-M-S08	DS1-M-S08	CS1-F	DS1-F	CS1-U	DS1-U		
10	CS1-M-S10	DS1-M-S10						
12	CS1-M-S12	DS1-M-S12						
16	CS1-M-S16	DS1-M-S16						
20	CS1-M-S20	DS1-M-S20						
25	CS1-M-S25	DS1-M-S25						
32	CS1-M-S32	DS1-M-S32						
40	CS1-M-S40	DS1-M-S40						

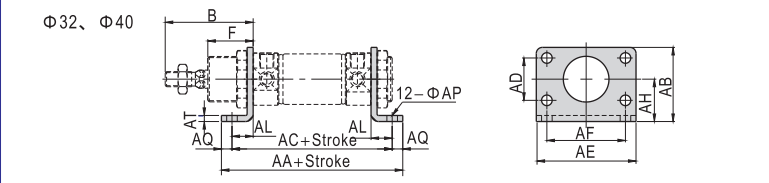
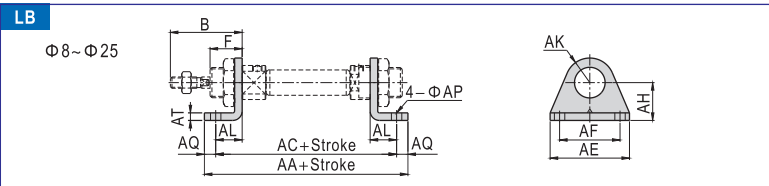


Mini cylinder(Stainless steel, ISO6432)

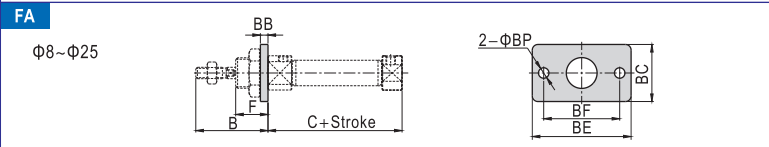


Accessories

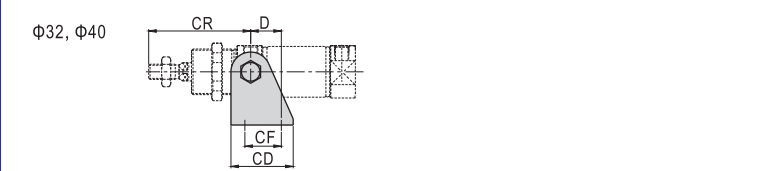
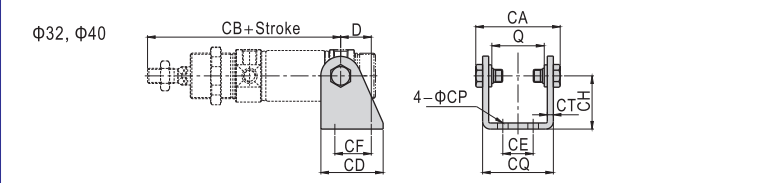
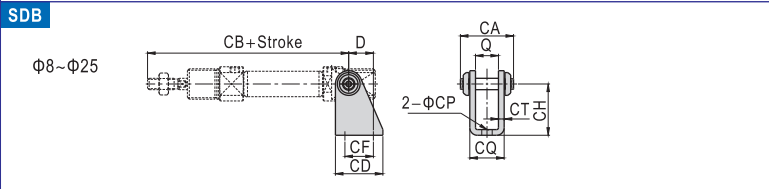
■ Dimensions



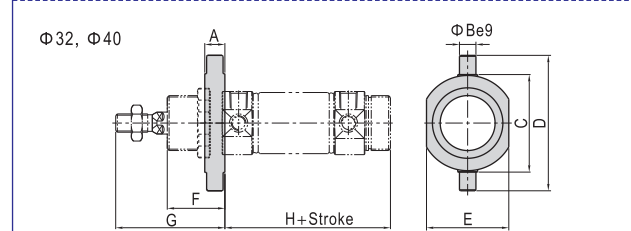
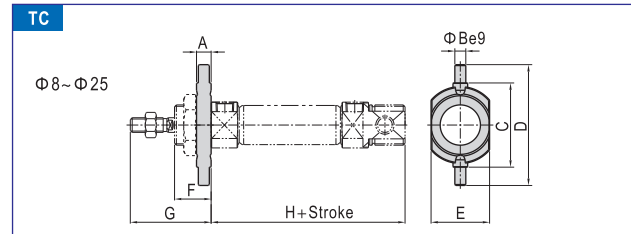
Bore size\Item	AA	AB	AC	AD	AE	AF	AH	AK	AL	AP	AQ	AT	B	F
8	78	-	68	-	35	25	16	10	11	4.5	5	3	28	12
10	78	-	68	-	35	25	16	10	11	4.5	5	3	28	12
12	90	-	78	-	42	32	20	13	14	5.5	6	4	38	17
16	96	-	84	-	42	32	20	13	14	5.5	6	4	38	17
20	112	-	96	-	54	40	25	20	17	6.6	8	5	44	20
25	115	-	99	-	54	40	25	20	17	6.6	8	5	50	22
32	110	49	96	28	66	52	28	-	14	7	7	4	58	30
40	149	58	129	30	80	60	33	-	20	9	10	5	69	35



Bore size\Item	B	C	BB	BC	BE	BF	BP	F
8	28	46	3	22	40	30	4.5	12
10	28	46	3	22	40	30	4.5	12
12	38	50	4	30	52	40	5.5	17
16	38	56	4	30	52	40	5.5	17
20	44	62	5	40	66	50	6.6	20
25	50	65	5	40	66	50	6.6	22



Bore size\Item	D	Q	CA	CB	CD	CE	CF	CH	CP	CQ	CT	CR
8	11	8.1	18.4	76	20	-	12.5	24	4.5	13.1	2.5	-
10	11	8.1	18.4	76	20	-	12.5	24	4.5	13.1	2.5	-
12	13	12.1	28	91	25	-	15	27	5.5	18.1	3	-
16	13	12.1	28	98	25	-	15	27	5.5	18.1	3	-
20	16	16.1	38	115	32	-	20	30	6.6	24.1	4	-
25	16	16.1	38	126	32	-	20	30	6.6	24.1	4	-
32	20	34.6	55.5	117	41	20	24	35	7	46.6	4	67
40	27	42.6	69.6	146	52	28	30	40	9	58.6	5	81



Bore size\Item	A	B	C	D	E	F	G	H
8	6	4	26	38	20	12	28	58
10	6	4	26	38	20	12	28	58
12	8	6	38	58	25	17	38	67
16	8	6	38	58	25	17	38	73
20	8	6	46	66	32	20	44	82
25	8	6	46	66	32	22	50	87
32	11	9	54	74	45	30	58	82
40	12	10	64	84	55	35	69	101

