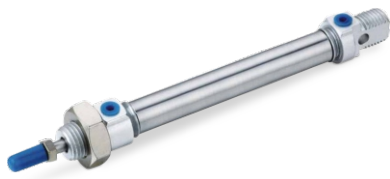


MA6432 Series Stainless Steel Mini Cylinder(ISO6432)



MA6432 10 x 50



MA6432 25 x 50



MA6432-F 25 x 40

Ordering Code

MA6432

Series Code

MA:Double Action Type
MSA:Single-Extrusion Type
MTA:Single Drawing-in Type
MAD:Double-shaft Double ActionType
MACD:Double-shaft Double Action Damping Type
MAJ:Double-shaft and adjustable stroke type
MAC:With Cushion Type



Back Cover Type

Blank:Fishtail Type
CM:Rounded Type
U:Horizontal Type
F: Copper Bush Type

20 × **50**

Cylinder Bore Stroke

8mm-25mm

25

Adjustable Stroke Type

0~100mm

S

Magnet Code

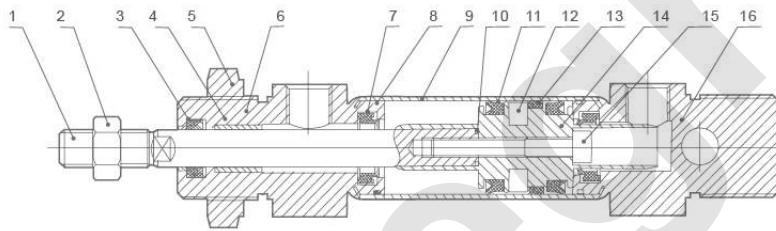
Blank:Without Magnet
S:With Magnet



Fixed Type

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

Internal structure



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

Specification

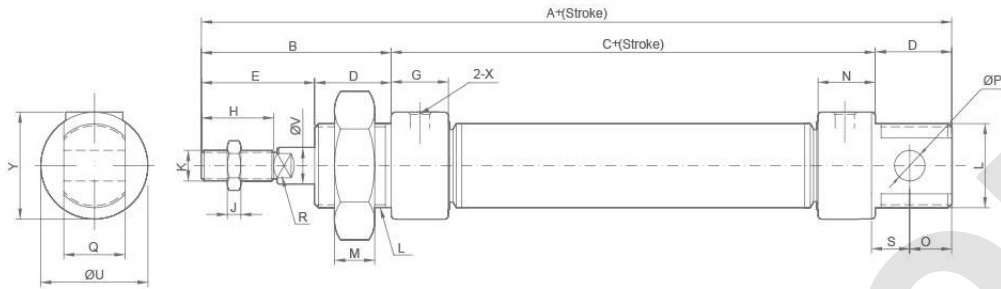
Bore(mm)	8	10	12	16	20	25
Fluid	Air					
Motion pattern	Double Action or single Action					
Ensured Pressure Resistance	15.3kgf/cm ² (1.5Mpa)					
Max.pressure	10.2kgf/cm ² (1.0Mpa)					
Min.pressure	0.5kgf/cm ² (0.05Mpa) 1kgf/cm ² (0.1Mpa)					
Environment and fluid temp	-10~+80°C (Internal Magnetic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

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

MA6432 Series Stainless Steel Mini Cylinder(ISO 6432)

Overall Dimensions



Dimension Sheet

Bore/Symbol	A	B	C	D	E	G	H	M	J	O	K	N	P	S	R	U	V	Q	Y	L	X
8	86	28	46	12	16	9	12	7	3	10	M4×0.7	9	4	6	-	15	4	8	15	M12×1.5	M5
10	86	27	47	12	15	9	12	7	3	10	M4×0.7	9	4	6	-	15	4	8	15	M12×1.5	M5
12	105	37	51	17	20	9	16	6	4.5	14	M6×1	9	6	9	5	20	6	12	20	M16×1.5	M5
16	111	38	56	17	21	12.5	16	6	4.5	13	M6×1	10.5	6	9	5	20	6	12	20	M16×1.5	M5
20	128	45	63	20	25	15	20	8	6	11	M8×1.25	15	8	12	6	27	8	16	27	M22×1.5	G1/8"
25	137	50	65	22	28	15	22	8	6	11	M10×1.25	15	8	12	8	27	10	16	27	M22×1.5	G1/8"

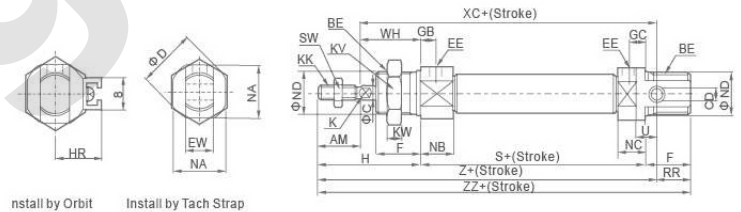
MA6432-N Series Stainless Steel Mini Cylinder (ISO 6432)

Overall Dimensions

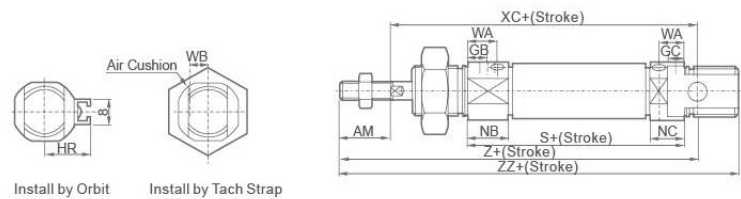


MA6432-N25 x 150

Non Magnet Inside Magnet Rubber Buffer



Non Magnet Inside Magnet Rubber Buffer



Dimension Sheet

Bore	AM	BE	ΦC	ΦCD	ΦD	EE	EW	F
Φ8	12	M12×1.25	4	4	17	M5×0.8	8	12
Φ10	12	M16×1.25	4	4	17	M5×0.8	8	12
Φ12	16	M16×1.5	6	6	20	M5×0.8	12	17
Φ16	16	M16×1.5	6	6	20	M5×0.8	12	17
Φ20	20	M22×1.5	8	8	28	G1/8"	16	20
Φ25	22	M22×1.5	10	8	33.5	G1/8"	16	22

Bore	GB	GC	WA	WB	H	HR	K	KK	KV	KW	NB	NC	NA	ΦND	RR	S	SW	U	WH	XC	Z	ZZ
Φ8	7	5	-	-	28	10	-	M4×0.7	19	6	11.5	9.5	15	12	10	46	7	6	16	64	76	86
Φ10	7(5.5)	7(5.5)	10.5	4.5	28	10.5	-	M4×0.7	19	6	11.5(13.5)	9.5(13.5)	15	12	10	46(53)	7	6	16	64(71)	76(83)	86(93)
Φ12	8(5.5)	6(5.5)	9.5	5.5	38	14	5	M6×0.8	24	8	12.5(12.5)	10.5(12.5)	18	16	14	50(54)	10	9	22	75(79)	91(95)	105(109)
Φ16	8(5.5)	6(5.5)	9.5	5.5	38	14	5	M6×0.8	24	8	12.5	10.5(12.5)	18	16	13	56	10	9	22	82	98	111
Φ20	8	8	17	8.5	44	17	6	M8×1.25	32	11	15	15	24	22	11	62	13	12	24	95	95	126
Φ25	8	8	20	10	50	20	8	M10×1.25	32	11	15	15	30	22	11	65	17	12	28	104	126	137

Our company can also provide SMC Type ISO6432 standard stainless steel mini cylinder, if you need this, pls add-N after normal ordering code.

MA6432 Series Stainless Steel Mini Cylinder(ISO 6432 Big Bore)



MAC6432 50 x 50-S



MAC6432 63 x 50-S

Ordering Code

MA6432



50

×

50

-

25

-

S



Series Code

- MA: Double Action Type
- MSA: Single-Extrusion Type
- MTA: Single Drawing-in Type
- MAD: Double-shaft Double Action Type
- MACD: Double-shaft Double Action Damping 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

32mm-63mm

Stroke

Adjustable Stroke Type

0~100mm

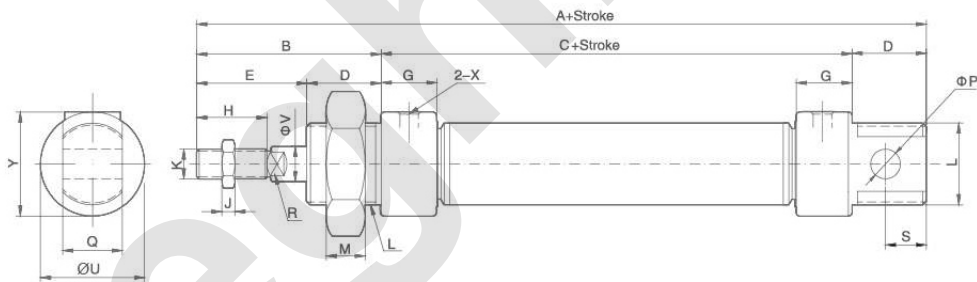
Magnet Code

- 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

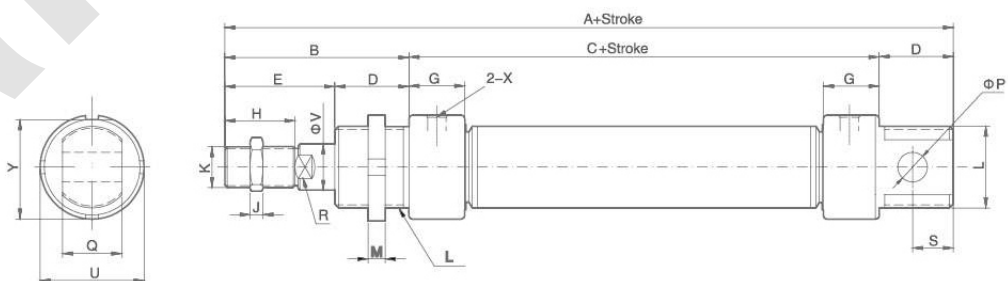
Overall Dimensions



Dimension Sheet

Bore/Symbol	A	B	C	D	E	G	H	M	J	K	P	S	R	U	V	Q	Y	K	X
32	160	57	76	27	30	16	22	8	6	M10×1.25	10	12	10	35	12	16	35	M24×2	G1/8
40	162	57	76	27	32	16.7	24	8	7	M12×1.25	12	12	14	41.6	16	16	41.6	M30×2	G1/8

Overall Dimensions



Dimension Sheet

Bore/Symbol	A	B	C	D	E	G	H	M	J	K	P	S	R	U	V	Q	Y	K	X
50	200	73	94	33	40	22	32	8	8	M16×1.5	16	15	17	57	20	21	55	M45×1.5	G1/4
63	203	73	97	33	40	22	32	8	8	M16×1.5	16	15	17	70	20	21	68	M45×1.5	G1/4

Our Company can also make FST type (ISO 6432) 32-63 bore cylinder . If you require this, it should be specified.

MA Series Stainless Steel Mini Cylinder



MA 25 x 50

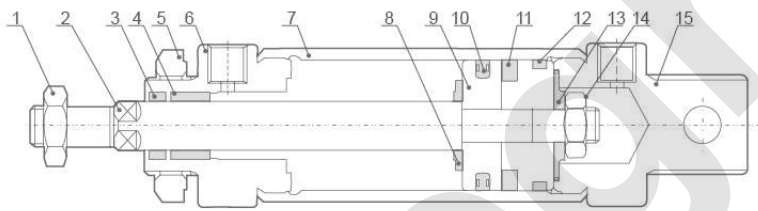


MAJ 25 x 50-25

Ordering Code

MA	<input type="checkbox"/>	20 ×	50	—	25	S	<input type="checkbox"/>
Series Code MA:Double Action Type MSA:Single Extrusion Type MTA:Single Drawing-in Type MAD:Double-shaft Double Action Type MACD:Double-shaft Double Action Damping 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 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 U:Back cover fixed type	

Internal structure



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

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 Pressure Range	0.1~0.9MPa				
Ensured Pressure Resistance	1.35MPa				
Operating Temperature Range	-5~70°C				
Operating Speed Range	50~800mm/s				
Buffer Type	Standard Type Anti-crash cushion				
	Damping Type Adjustable cushion				
Port Size	M5×0.8	G1/8"	G1/8"	G1/8"	G1/8"

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

Stroke

Bore(mm)	Standard Stroke														Max.Stroke(mm)	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