



Specifications

Bore size(mm)	10	16	20	25
Fluid	Air (to be filtered by 40µm filter element)			
Action	Double acting			
Use pressure range	0.1~1.0MPa(14~145psi)			
Guarantee pressure resistance	1.5MPa(215psi)			
working temperature	-20~70℃			
Use speed range (mm/s)	30~500			
Stroke length tolerance (mm)	$+1.0$ -0			
Cushion	Without	Anti-collision pad or hydraulic buffer (optional)		
Accuracy of non-rotation ^{Note 1)}	$\pm 0.1^\circ$	$\pm 0.05^\circ$		
Port size ^{Note 2)}	M5×0.8			1/8"

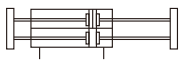
Note: 1. The non-rotating precision is that the cylinder is fully recovered, the angle of the cylinder fixing plate can be rotated.

2. NPT and G thread can be chosen.

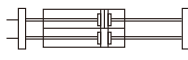
In addition: STM series are magnetically attached.

Symbol

STMB



STMS



Product feature

- Two types of installation and fixing: body installation or slider installation;
- Dual piston rod structure makes the cylinder have better bending and torsion resistance, and can bear larger moving load or lateral load.
- Buffer devices such as anti-collision pads at both ends or oil pressure buffers can effectively slow down the impact speed and prolong the service life of cylinders.
- Choosing high temperature resistant sealing material can ensure the normal operation of cylinder at 150℃.

Stroke

Bore size(mm)	Standard stroke (mm)	Maximum stroke	Permissible stroke
10	25 50 75 100	100	150
16	25 50 75 100 125 175 200	200	250
20, 25	25 50 75 100 125 175 200 250	250	300

Note: Within the allowable range, when the stroke is greater than the maximum, it should be treated as non-standard. For other special stroke, please contact our company.

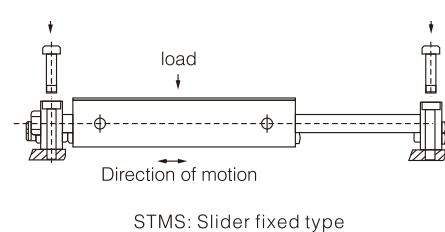
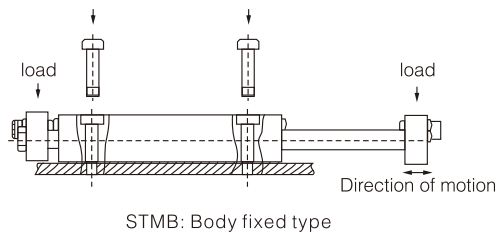
Ordering code

STM		B	— 25 × 50 —		□		
Model		Bore size		Stroke	Thread type Note)		
STM	Air slide table (Double-acting)	10	10mm	25	50	Blank	PT
		16	16mm			G	G
		20	20mm			T	NPT
		25	25mm				
Fixed mode							
B	Body fixed type						
S	Slider fixed type						

Note: When the piping size is M5, this code is

Note: When the piping size is M5, this code is empty.

Fixed mode



Cylinder theoretical output meter

Bore size (mm)	Piston rod outer diameter (mm)	Action type	Compression area (mm²)	Air pressure (MPa)						
				0.1	0.2	0.3	0.4	0.5	0.6	0.7
10	6	Double motion	100.5	10.1	20.1	30.2	40.2	50.3	60.3	70.4
16	8	Double motion	301.6	30.2	60.3	90.5	120.6	150.8	181.0	211.1
20	10	Double motion	471.2	47.1	94.2	141.4	188.5	235.6	282.7	329.9
25	12	Double motion	755.6	75.6	151.1	226.7	302.2	377.8	453.3	528.9

Cylinder

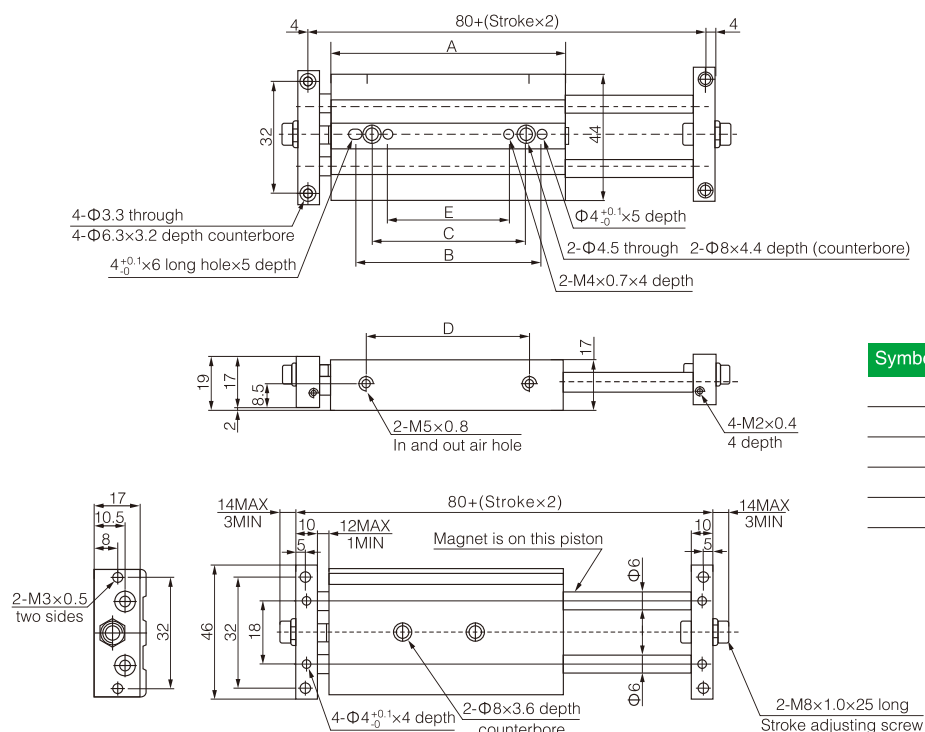
SC
SC(Big)
SCT
SCF
SU
SUF
SI
SIF
DNC
QGB
QGBZ
NCQ2
NCQ2(Big)
NCQ2(Long)
NCQS
NCQM
NRQ
SDA
ADVU
ACE(AND)
MAL
MA
MI
NCM2
NCJ2
NCG1
NCJP
TD
TN(TDA)
NCXS
NCXSW
NMGP
NMGG
NCU
NCUJ
NCY3B
NCY3R
NCY1S
NCY1L
STM
NMXH
NMXS
NMXQ
NMHZ2
NMHC2
NMHL2
NMHY2
NMHT2
NMHW2
NMHF2
NMHS2
NMHS3
NMHS4
NMRHQ
NMSQ
NCRA1
NCRQ2
NCRB2
ACK
SRC
QCK
NCK1

Cylinder

SC
SC(Big)
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SU
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SIF
DNC
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NCY3B
NCY3R
NCY1S
NCY1L
STM
NMXH
NMXS
NMXQ
NMHZ2
NMHC2
NMHL2
NMHY2
NMHT2
NMHW2
NMHF2
NMHS2
NMHS3
NMHS4
NMRHQ
NMSQ
NCRA1
NCRQ2
NCRB2
ACK
SRC
QCK
NCK1

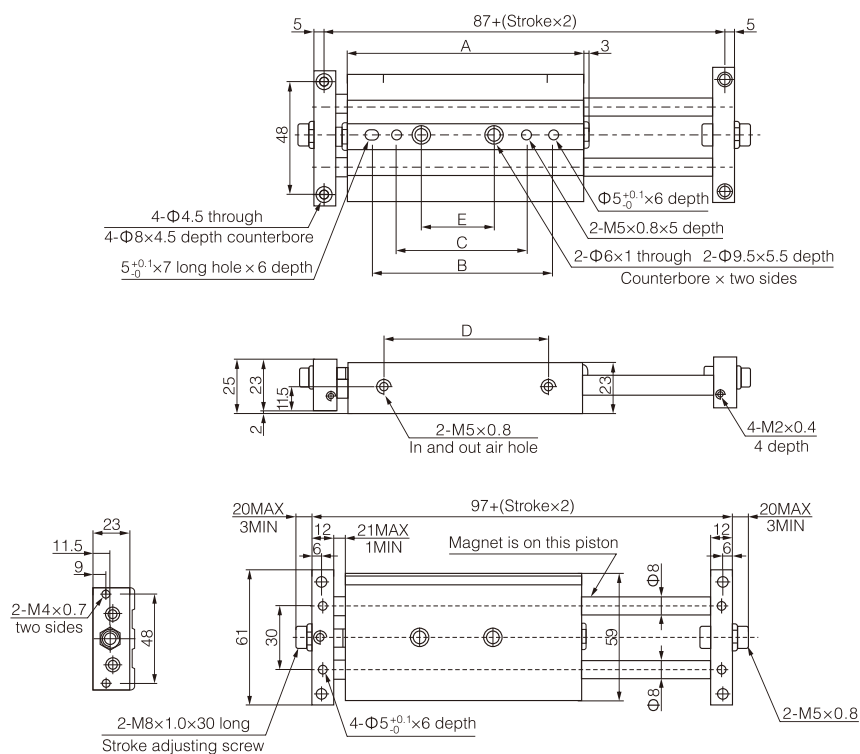
Dimensions

STMB-10



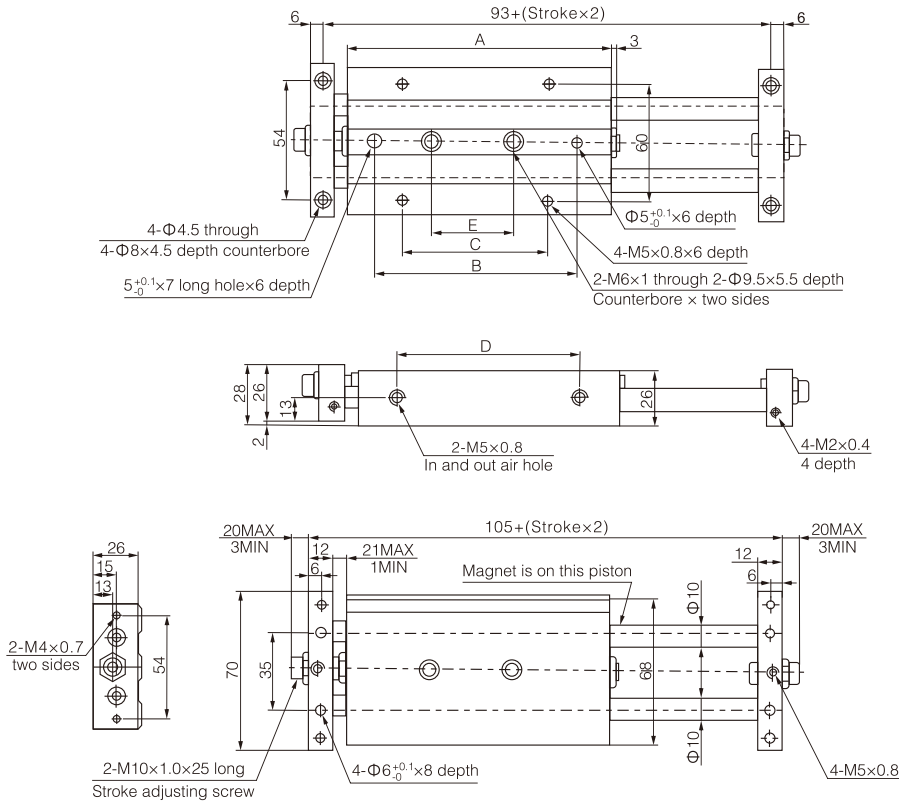
Symbol/Stroke	25	50	75	100
A	81	106	131	156
B	65	85	85	85
C	35	60	60	60
D	46	71	96	121
E	15	40	40	40

STMB-16



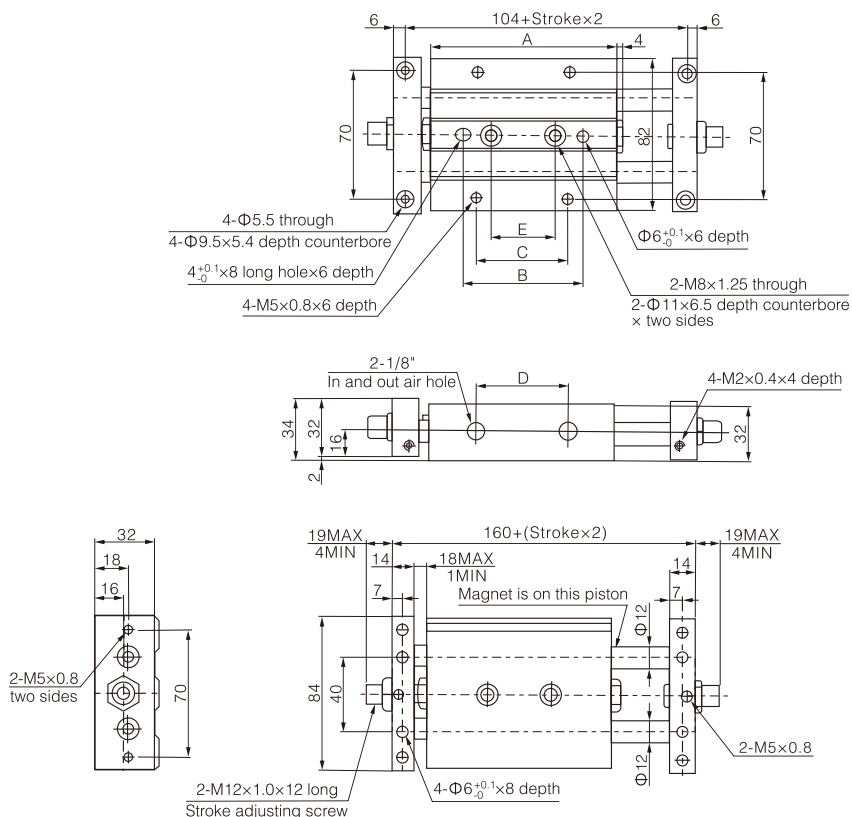
Stroke/Symbol	A	B	C	D	E
25	86	55	-	48	25
50	111	80	-	73	50
75	136	105	75	98	45
100	161	130	100	123	70
125	186	150	120	148	90
150	211	150	120	173	90
175	236	150	120	198	90
200	261	150	120	223	90

STMB-20



Stroke/Symbol	A	B	C	D	E
25	94	60	50	53	35
50	119	85	50	78	45
75	144	110	75	103	45
100	169	135	100	128	70
125	194	150	120	153	90
150	219	150	120	178	90
175	244	150	120	203	90
200	269	150	120	228	90
250	319	150	120	278	90

STMB-25

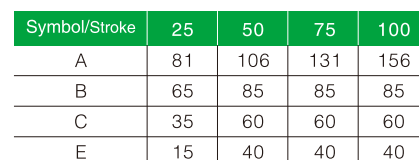


Stroke/Symbol	A	B	C	D	E
25	101	65	50	50	35
50	126	90	50	75	45
75	151	115	75	100	45
100	176	140	100	125	70
125	201	140	100	150	95
150	226	140	100	175	100
175	251	140	100	200	100
200	276	140	100	225	100
250	326	140	100	275	100

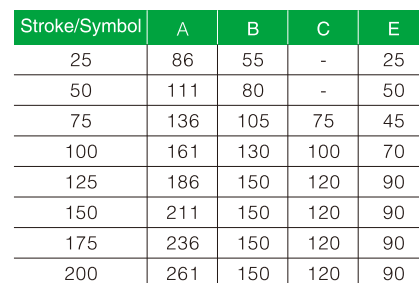
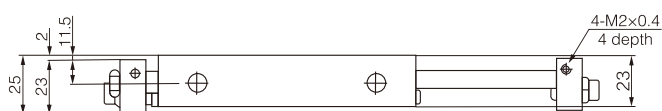
Cylinder

SC
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SCT
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SDA
ADVU
ACE(AND)
MAL
MA
MI
NCM2
NCJ2
NCG1
NCJP
TD
TN(TDA)
NCXS
NCXSW
NMGP
NMGG
NCU
NCUJ
NCY3B
NCY3R
NCY1S
NCY1L
STM
NMXH
NMXS
NMXQ
NMHZ2
NMHC2
NMHL2
NMHY2
NMHT2
NMHW2
NMHF2
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NCRA1
NCRQ2
NCRB2
ACK
SRC
QCK
NCK1

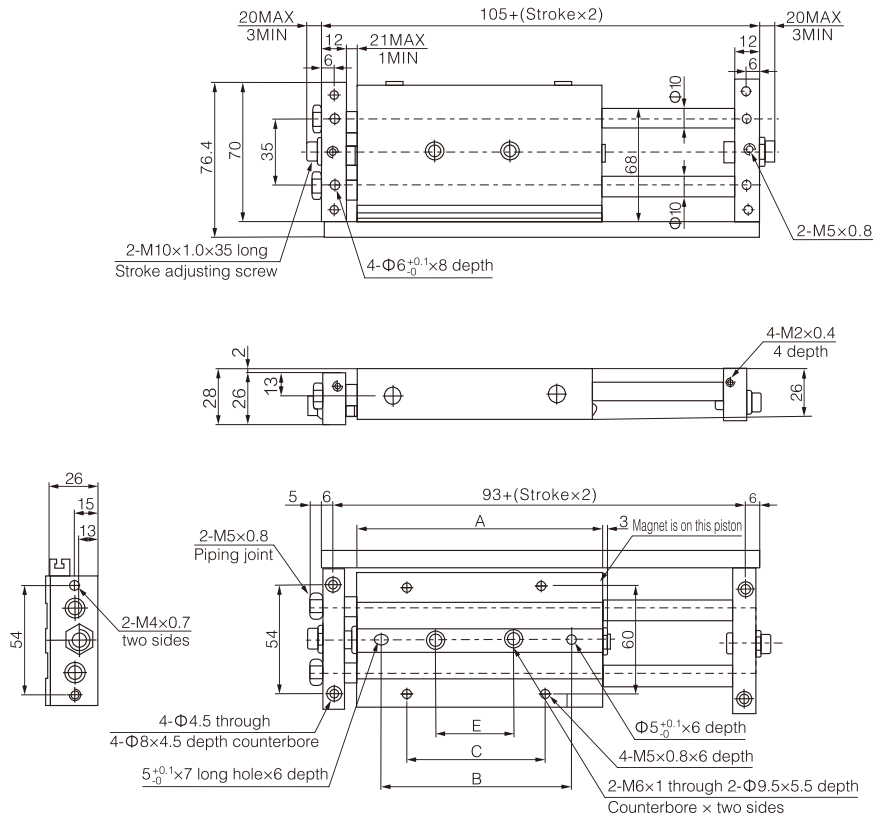
STMS-10



STMS-16

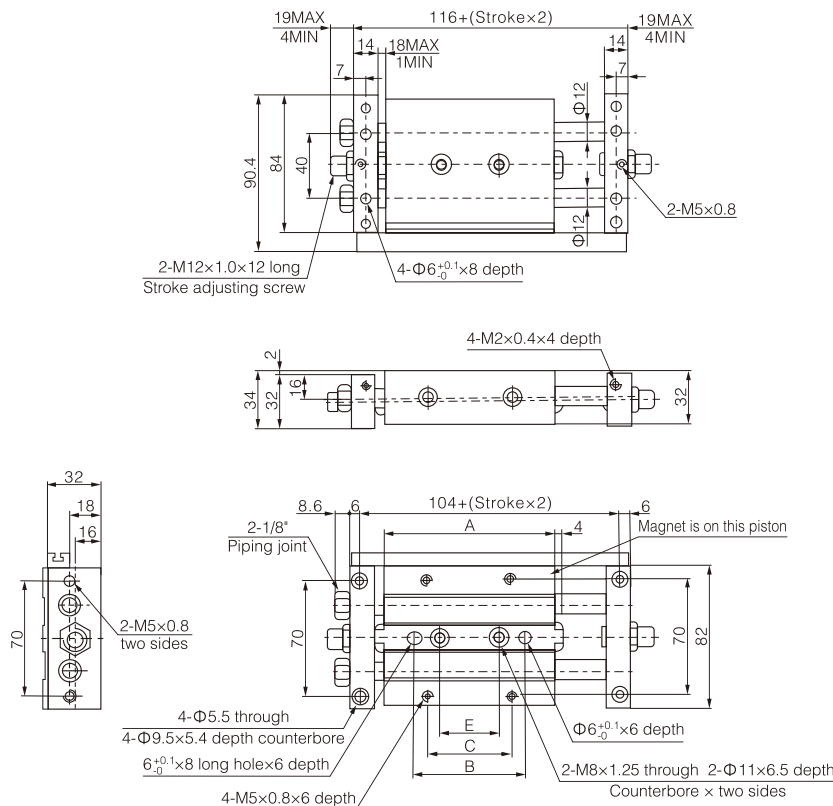


STMS-20



Stroke/Symbol	A	B	C	E
25	94	60	50	35
50	119	85	50	45
75	144	110	75	45
100	169	135	100	70
125	194	150	120	90
150	219	150	120	90
175	244	150	120	90
200	269	150	120	90
250	319	150	120	90

STMS-25



Stroke/Symbol	A	B	C	E
25	101	65	50	35
50	126	90	50	45
75	151	115	75	45
100	176	140	100	70
125	201	140	100	95
150	226	140	100	100
175	251	140	100	100
200	276	140	100	100
250	326	140	100	100

Cylinder

SC

SC(Big)

SCT

SCF

SU

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NCXSW

NMGP

NMGG

NCU

NCUJ

NCY3B

NCY3R

NCY1S

NCY1L

STM

NMXH

NMXS

NMXQ

NMHZ2

NMHC2

NMHL2

NMHY2

NMHT2

NMHW2

NMHF2

NMHS2

NMHS3

NMHS4

NMRHQ

NMSQ

NCRA1

NCRQ2

NCRB2

ACK

SRC

QCK

NCK1